Microbiology Abstracts: Section A

Industrial & Applied PAMPHLET BOX MICRObiology

Volume 18 number 12
Annual Indexes to Volume 18 1983

QR 53 I5322 V.18 1983 No.12 NC

ISSN 0300-838X

FEB 1 3 1984

ambridge Scientific Abstracts

An annual subscription to Microbiology Abstracts, Section A includes twelve monthly issues, each containing author and subject indexes and the twelfth issue comprising the annual cumulation of both indexes. Subscriptions are entered on a calendar year basis only.

Full details of surface and air delivery rates in the various geographical areas shown below can be obtained from the appropriate office or agent.

Japan

US Asiatic Company Limited, Tsutsumi Building, 13-12 Shimbashi 1-chome, Minato-ku, Tokyo 105, Japan.

India, Sri Lanka, Bangladesh, Nepal, Burma, Malaysia, Singapore, Indonesia and Thailand

Universal Subscription Agency Pvt. Ltd., 117/H-1/294-B Model Town, Pandu Nagar, Kanpur 208005, India.

Israel

N.P.K. Meida Ltd., PO Box 10127, Tel-Aviv 61101, Israel.

Rest of the world

Cambridge Scientific Abstracts, 5161 River Road, Bethesda, MD 20816, USA

© 1983 Cambridge Scientific Abstracts All rights reserved by the publisher. No part of this publication may be reproduct or transmitted in any form by any mean electronic or mechanical, including photopying, recording or any information sage and retrieval system, without permision in writing from the publisher.

Microbiology Abstracts, Section A (ISSN 0300-838X) is published monthly for US \$390.00 per year by Cambridge Scientific Abstracts, 5161 River Road, Bethesda, M 20816. Second class postage paid at Beth da, MD. POSTMASTER: Send address changes to Cambridge Scientific Abstracts 5161 River Road, Bethesda, MD 20816.

Microbiology Abstracts: Section A

Industrial & Applied Microbiology

Volume 18 number 12

Annual Indexes to Volume 18 1983

Editorial staff

Barbara B. Engel Ray Fisher Lawrence L. Pilon J. Nicholas Ruth III Darrell D. Stover

ISSN 0300-838X

Foreword

Microbiology Abstracts, Section A commenced publication in 1965 and is published monthly. Each issue contains approximately 900 abstracts followed by author, patentee and assignee, and subject indexes.

Coverage

In compiling each month's issue, CSA's editorial staff monitors approximately 5,000 primary journals as well as patents and other source references for papers falling within the scope of Microbiology Abstracts, Section A.

Subject scope and arrangement of subject matter

The table of contents shows the full scope of the journal.

Abstracts are allocated to the section (subsection) to which they are most relevant and cross-referred to other sections (subsections) where appropriate.

Using this journal

Full details of the bibliographic data cited for each abstract and of abbreviations used can be found in the first issue of this volume.

Author Index Aansehn, S. 9928. Aarnaes, S. 9842. Aasa, R. 3696. Aaskov, J.G. 9834. Abaas, S. 7245. Abad, J.A. 1290, 2197. Abad, R.G. 1391. Abalaka, J.A. 275.

Adam, Y.M. 8446. Adamose, L. 1087.
Adamose, E. 4672.
Adamose, E. 4672.
Adamose, E. 4672.
Adamose, S. 9328.
Adamose, B. 1083.
Adamose, B. Adamek, L. 1087. Adamowicz, E. 4672. Adams, A.D. 5212. Adams, A.N. 3037, 3529. Adams, B.R. 6390. Adams, B.W. 6686.

Aikawa, T. 5185. Aimoto, S. 4915. Aini, I. 7188. Aint, I. 7188. Aisa, M.L. 740. Aisaka, K. 1858, 8300. Aiyer, R.S. 4251. Aizawa, M. 8820. Alexander, G.A. 9849. Ameri, H.A. 9598. Alexander, L. 8968. Alexander, M. 2008, 2012, 3197. Amerine, M.A. 905. 3548, 5288, 5584, 6961.

Alexander, N.J. 8409. Alexander, S.A. 5083, 5866. Alexeeva, I.I. 2492, 6077. Alexeeva, L.E. 1682. Alexintseva, O.A. 778, 1662, 7171. Alfa, M. 2685. Alexintseva, O.A. 778, 1662, Alla, M. 2685, Alfani, A. 4137, Alfaro, G. 646, Alfenas, A.C. 5814, Alferov, V.V. 2354, Alford, C. 1079, Ali, F.S. 9143, Ali, M.Z.H. 6045, Ali, G.K. 49181, Ali, M.Z.H. 6045, Ali, G.K. 49181, Ali, S.M. 1811, 6732, Ali, S.M. 1811, 6732, Ali, S.M. 1811, 6732, Ali, S.M. 4814, Alimdzhanova, M.I. 7354, Aliyev, S.A. 3200, Alfais, J.J. 5466, Alizen, M.E. 9198, Alizen, C.R. 500, 1414, 2279, Alizen, C.R. 500, 1414, 2279, Alizen, M.F. 1588, Alizendo, M. 4788, Alizen Akita, E. 5246, 8853, Aliard, A. S. 2889, Akita, H. 4615, 7127.
Akityama, S. 4422.
Akiyoshi, D.E. 7689, Aliard, F. W. 461, Aliauddin, M. 4788, Akiyama, S. 4422.
Akiyoshi, D.E. 7689, Aliard, F. W. 461, Akiyoshi, D.E. 7689, Aliarde, J. R. 3097, Akiporov, V. H. 1857, Aliaman, J. E. 507, Akparov, V. Kh. 5521, 6490, Alien, D. J. 327, 332, 2108, Akitsu, H. 7296, Alien, E. B. 5098, Akutsu, H. 7296, Alien, E. B. 5098, Akutsu, H. 7296, Alien, F. H. E. 9401, Alian, A. 2150, Alian, F. H. E. 9401, Alian, A. 2150, Alian, F. H. E. 9401, Alian, A. 2411, Alian, A. Alian, A. 2411, Alian, A. 2420, Alian, A. E. 220, Alian, R. M. 1769, Alian, A. E. 320, Alian, R. M. 1769, Alian, A. 2436, Alian, A. 2436, 7083, Allinark, C. 3499.
Anderson, J. F. 3222,
Anderson, J. F. 3222,
Anderson, J. F. 3293,
Alarderson, J. F. 3222,
Anderson, J. F. 3222,
Anderson, J. F. 3212, 3513
Anderson, J. F. 3222,
Anderson, J. F. 3222,
Anderson, J. F. 3222,
Anderson, J. F. 3222,
Anderson, J. F. 3229,
Anderson, J. F. 3293,
Anderson, J. F. 3292,
Anderson, J. F. 3293,
Anderson, J. F. 3293,
Anderson, J. F. 2529,
Anderson, M. G. 2256,
Anderson, J. F. 3499.
Anderson, J. F. 3499.
Anderson, J. A. 3496.
Anderson, J. F. 3499.
Anderson, J. A. 3496.
Anderson, J. F. 3499.
Anderson, J. A. 3498.
Anderson, J. A. 3499.
Anderson, J. A. 3499.
Anderson, J. A. 3499.
Anderson, J. A. 3499.
A

Amerkhanova, N.N. 2019. Amerson, H.V. 4166. Ames, B.N. 876, 3560, 9893. Ameyama, M. 955, 1828, 3683, 4603, 4604, 4605, 4606, 4609, 4626, 4647. Amin, G., 8396. Amin, G. 8396. Aminuddin, M. 874. Amir, A. 1068. Amiraslanova, L.A. 8830. Amire, O.A. 6760. Ammon, H.L. 7399. Amonkar, S.V. 8363. Amos, R. 4573. Amos, W. T. 1091. Amphein, M. 2426. Amthein, M. 8743. Amphiet, M. 2426.
Amrhein, N. 8743.
Amrine, J.W., Jr. 6602.
Amstutz, H.E. 8722.
Amu Singh, S. 9348.
Amund, O.O. 6389.
Anacleto, J. 1563.
Anacleto, J.C. 6098.
Anagnostakis, S.L. 1814.
Anagnou-Varellizides, A. 8080.
Anahosur, K.H. 4061.
Anaise, J.Z. 8999.
Ananaha, G.A. 6727.
Anantakrishnan, C.P. 6679.
Ananatha (Snshnan, S. 8971. Anderson, J.F. 3722. Anderson, J.M. 514, 571, 3212, 3513. Andronescu, C. 7147. Andrusenko, I.I. 623. Andruszkiewicz, R. 9780. Andzhaparidez, A.G. 3521.

Andzhaparidze, A.G. 3533.
Aneja, K.R. 4512.
Anestad, G. 9932.
Ang, K.S. 8747.
Angehrn, P. 3405, 6035, 8731.
Angelov, T.I. 5554.
Angelov, T.I. 5564.
Angelov, T.I. 5675.
Angelov, T.I. 5676.
Angelov, T.I. 5677.
Angelov, T.I. 5678.
Angelov, T.I. 5678 Author Index Anwar, H. 4480.
Aoki, A. 6217.
Aoki, H. 921, 2582, 7451.
Aoki, H. 921, 2582, 7451.
Aoki, K. 3786, 5428, 7317, 8301.
Aota, T. 4332.
Aoyagi, H. 2524, 9786.
Aoyagi, T. 2809, 8389.
Aoyagi, T. 2809, 8389.
Aoyagi, Y. 9187, 948.
Aoyama, T. 898.
Aoyama, Y. 9187, 9488.
Apaire, V. 7606.
Aparicio-Teigo, P. 4234.
Apel, W. A. 8713.
Apelbaum, A. 7593.
Apicallia, M.A. 9826.
Apiratkivongas, P. 5565. Apoilaum, A. 9826. Apicalla, M.A. 9826. Apiraktivongse, P. 5565. Apilin, R.T. 7149. Appelia Gowda, B. 3940. Appeliaum, P.C. 838, 9899. Appiano, A. 4034. Apple, A.E. 8622. Apple B.E. 8622. Apple B.E. 8622. Arajaki, M. 1218, 1423, 4996. Araj. H. 7450. Araj. K. 7456. 6192, 6387, 6515, 6523, 9766, 9789, 9790. Arai, T. 2830, 3445, 9679, 9777. Arai, Y. 3428. Arai, G.F. 9954. Arai, Y. 3428.
Araj, G.F. 9954.
Arakelyan, I.S. 1787, 6174.
Arakelyan, I.S. 1787, 6174.
Arakelyan, I.S. 1787, 6174.
Arakel, Y. 2731, 2732.
Araki, Y. 3275, 3305, 5532, 8327.
Arambel, M.J. 6860.
Aranguren, J. 3218, 3219.
Aratlani, M. 919.
Aratloi, J.B. M. 2291.
Aratlani, M. 919.
Aratlani, M. 919.
Aratlani, M. 919.
Aratlani, M. 919.
Aratlani, J. J. 6680.
Arbuthnott, J. P. 6723.
Arcamone, F. 1611.
Archambault, L. 1484.
Archer, J. B. 387, 1226, 3046,
3968, 7196.
Archer, G.L. 7042.
Archer, G.L. 7042.
Archer, G.L. 544.
Archipusacci, C. 9991.
Arciero, D.M. 1849.
Arcuri, E.J. 6635.
Ardeleanu, J. 7130.

Amason, J.T. 208.
Amaud, A. 4744, 5513.
Amdt, J. 6274.
Amold, J. 6275.
Amdt, V. 8850, 9753.
Amett, G. 5214.
Amold, E.C. 4681.
Amold, E.C. 4681.
Amold, M.K. 795.
Amold, M.K. 795.
Amold, M.K. 795.
Amold, M.K. 795.
Amold, R.R. 7247.
Amy, D.C. 4964, 8642, 8643, 9455.
Audemand, J. M. 1576, 3368.
Arons, R.M. 7257.
Arons, R.M. 726.
Arons, R.M. 728.
Arons, R.M. 8045.
Arp, D.J. 3669.
Arphur, R.R. 838.
Arico, M. 7082.
Arlmur, R. M. 9235.
Asalm, R. 4294.
Assal, T. 8406.
Assakawa, N. 2333.
Assami, Y. 9315.
Assamo, Y. 1895, 1896, 1982.
Assal, T. 8406.
Assakawa, N. 2333.
Assami, Y. 9315.
Asshownth, J. 2405, 4756.
Ashbovoth, J. 2405, 4756.
Ashbovoth, J. 2405, 4756.
Ashworth, L. J., Ir. 9390.
Ashley, F. P. 3507.
Ashley, G. W. 89.
Ashley, F. P. 3507.
Ashley, F. P. 3507.
Ashley, G. W. 89.
Ashley, F. P. 3507.
Ashley, G. W. 89.
Ashley, F. P. 3507.
Ashley, M. A 2534.
Ashmorth, J. 2405, 4756.
Ashworth, J. 2405, 4756.
Ashworth, J. 401.
Asheriania, R. 1892.
Averence, W. 5000.
Averence, M. 268.
Averence, W. 268.
Averence, W. 269.
Averence, W. 2600.
Articologian articologian articologian articologian articologian articologian articologian a Ashlari, P.J. d71.
Ashlari, P.J. d71.
Ashlari, P.J. d71.
Ashlari, V.L. 461.
Ashlari, V.L.

Azim, P.H. 732. Aziz, A.H. 639. Aziz, K.M.S. 882. Aziz, S. 9256. Azizbekyan, R.R. 661.

Baard, S.W. 6837, 9485. Baath, E. 515, 6898. Baba, M. 5211. Babaa, M.M. 6248. Babaa, M.M. 6248. Babacauh, K.D. 4977. Babanazarov, T.R. 2361. Babbar, O.P. 7952. Babchenko, I.V. 2260. Babchenko, I.V. 2260 Babich, H. 1565. Babiker, A.G.T. 1277. Babini, A.R. 3040 Babish, J.G. 3489. Babiuk, L.A. 5218, 6079. Babjee, A.M. 1687. Babjewa, I.P. 581. Babu, M. 4000. Baccay, R.A. 7199, 7200. Bacch, V.T. 6149. Bachmann, M.R. 6689. Bachmann, M.R. 6689.
Bachofer, R. 4763.
Bachofer, R. 4763.
Bachorler, D. 5170.
Bachwarova, R. 7223.
Bacino, D. 6199.
Backman, P.A. 1137.
Backstroem, V. 2878.
Bacon, P.A. 1378.
Bacon, M. 2627.
Bacon, M. 2627.
Backatholier, D. 47419.
Baddilan, E.N. 7826.
Badenoch, P.R. 9676.
Badenoch, P.R. 9676.
Bader, T. 281.
Badie, M.F. 8755.
Bader, A. 200. Augusyniak, L. 8081, Augusyniak, L. 8081, Sadenoch, P.H. 9676, Badenoch, Avsyun, I. J. 6072, 6082, 7771, 7960. Awasthi, L.P. 6072, 6082, 7771, 7960. Bains, S.S. 5688. Bairagi, A.K. 7067. Baird, J.K. 9200. Bairagi, A.K. 7067. Baird, J.K. 9200. Ax. H. 6197. Baird, J.K. 9200. Baird, R.M. 1801. Bairagi, A.K. 7067. Baird, J.K. 9200. Bairagi, A.K. 7067. Baird, J.K. 9200. Baird, R.M. 1801. Bairagi, A.K. 1801. Bairagi, A.K.

Azuma, I. 7442, 8327, 8330. Azuma, S. 1649. Azumi, T. 5296. Azzini, A. 9225. Bakhtiar, M. 2544, 6182, 6305. Bakir, T.M.F. 5375. Bakke, J.E. 8385. Bakken, G. 6272. Bakke, J. B. 8385.
Bakkern, G. 6272.
Bakkern, G. 6272.
Bakker, C. M. 085.
Bakker, C. M. 085.
Bakker, C. M. 085.
Bakker, C. M. 085.
Bakker, M. 8812.
Bakulin, I.N. 2964.
Balaarin, I.N. 2341.
Balaarin, A. N. 2341.
Balaarin, A. N. 2341.
Balaarin, A. N. 2341.
Balaarin, J. R. 172.
Balaasubramaniam, S. 3315.
Balaasubramaniam, S. 3315.
Balaasubramaniam, S. 3315.
Balaasubramaniam, S. 3315.
Balaasubramaniam, S. 3615.
Balaasubramaniam, S. 3315.
Balaasubramaniam, Ball, D.J. 9648. Ball, P.R. 2371 Ball, S.L. 6755, 6756. Ball, S.T. 6994. Ballabio, M. 4390. Ballard, R.G. 3167 Balles, J. 6734. Balliano, G. 2493. Ballongue, J. 4726.
Ballou, C.E. 65, 2756, 8220.
Ballou, M.A. 2802.
Baltrashevich, A.K. 159
Baltz, R.H. 3377, 6196, 6212.
Baltrashevich, A.K. 159
Baltz, R.H. 3377, 6196, 6212.
Baltrashi, J. 6703.
Barbar, C. 1003.
Barbar, C. 1007.
Barbar, C. 1003.
Barbar, C. 1003.
Barbar, C. 1003.
Barbar, C. 1003.
Barbar, C. 1007.
Barbar, C. 1003.
Barbar, C. 1003.
Barbar, C. 1007.
Barbar, C. 1003.
Barbar, C. 1003. Baker, J.O. 8255 Baker, K.F. 9472 Baker, K.H. 3800 Baker, K.K. 5750. Baker, L.R. 6851. Baker, P. 9571. Saker, R.C. 270. Baker, S.K. 9890. Baker, W.L. 3406. Bakhaba, A.Kh. 9437. Bakhanashwili, M. 3369. Bakhatt, B.R. 7669. Bakhshi, N.N. 8448.

Baranowski, J.E. Barash, I. 1322.

Barbour, E.K. 3461.
Barbour, E.K. 3461.
Barcena, J.A. 1868.
Barcena, J.A. 1868.
Barcena, J.A. 1868.
Barceyk-Luczykowa, K. 2659.
Bardin, R. 1446.
Barce, J.M. 4204.
Barefoot, S.F. 7172.
Barendor, G.N. 8013.
Barends, P. 858.
Barford, H.C. 4678.
Barford, J.P. 2873. 8946, 8947, 9801. 9808, 9809.
Bari, S. 698.
Barkin, S. 8418.
Barist, I. 4761, 7381, 7460, 7462.
Barkin, S. 8418.
Barkin, J. 8418.
Barnen, J. 8409.
Barnen, J. 8409.
Barnen, J. 8408.
Barnen, J. 1776.
Barnen, J. 8408.
Barnen, J. 8418.
Barnick, J. W. 1848.
Barnick, J. W. 1848.
Barnick, J. W. 1848.
Barnick, J. W. 1848.
Barnen, S. 1848.
Barnen, S. 1848.
Barnen, J. 1948.
Barnick, J. W. 1848.
Barnen, S. 1848.
Ba Barcena, J.A. 1868. Barnett, R.D. 9466. Barnick, J.W.F.K. 8916. Barnickel, G. 3714. Baron, D.L. 3862. Baron, R.C. 1710. Baron, S.S. 3319. Baross, J.A. 5122. Barot, M.S. 9277. Barr, K. 1992. Baroni, P. 4453.
Barosi, J. A. 5122.
Barot, M. S. 9277.
Barr, K. 1932.
Barraquio, V.L. 9892.
Barraquio, W.L. 9896.
Barrat, J.G. 3031.
Barreiro, J.A. 7574.
Barrell, R.A.E. 198, 1075.
Barrett, J.G. 3031.
Barrett, E.L. 8263.
Barrett, E.L. 8262.
Barrett, E.L. 8262.
Barrett, B. 1920.
Barrett, W.C., J. 5458.
Barrow, B. G. 9273.
Barrow, P.A. 7258.
Barrow, P.A. 737, 2536, 6117, 6120, 6145, 7181, 7896, 8041, 8760, 9742, 9745, 9746.
Barrow, P.A. 737, 2536, 6117, 6120, 6145, 7181, 7896, 8041, 8760, 9742, 9745, 9746.
Barrow, P.A. 7458.
Barry, S. 10004.
Barstein, V.A. 1584.
Bartlett, A. 4066.
Bartha, R. 4745.
Bartholomew, G.W. 2876.
Bartholomew, G.W. 2876.
Bartholomew, G.W. 2876.
Bartlett, A.J. 4898.
Bartlett, C.L.R. 1706.
Bartlett, J.G. 5174.
Bartlett, P. 8098.

Baratti, J. 5466, 7514.
Barbara, D.J. 3037, 3529, 9441.
Barbara, D.J. 3037, 3529, 9441.
Barbarea, D.J. 2684.
Barbe, M.C. 896.
Barber, D. 114, 4556.
Barber, M.J. 2783, 3734.
Barber, M.J. 2783, 3734.
Barbet, A.F. 6379.
Barbetti, M.J. 8537.
Barbetti, M.J. 8537.
Barbetti, M.G. 856.
Barbetti, M.J. 8537.
Barbetti, M.G. 857.
Barbetti, M.J. 8537.
Barbetti, M.J. 8537.
Barbetti, M.G. 858.
Barbetti, M.J. 8537.
Barbetti, M.J. 8538.
Basarova, G. 6585, 7518, 7520.
Barbetti, M.J. 8581.
Basel, R.J. 3581. Bartov, I. 3852. Bartz, J.A. 1330. Baruah, J.N. 4222, 9632. Barz, W. 3764, 8434. Barza, M. 777. Basek, S.C. 3338. Basarova, G. 6585, 7518, 7520. Bascomb, S. 1795. Bascomb, S. 1795.
Bassely, L. 1, 9273.
Basel, R. M. 3581.
Baselski, V. S. 2512.
Bashan, Y. 410, 412, 3065.
6842, 8575, 9335.
Bashandy, E. Y. 8982.
Bashie, E. 424, 6821, 6822, 9391.
Bashkovich, A.P. 6170.
Basilova, G. I. 1774.
Baskakova, A. A. 7123.
Basker, D. 2034.
Basker, M. J. 2506, 6216.
Basker, M. J. 2507.
Basselte, B. 183.
Basselt, E. H. 83.
Basselt, E. H. 83.
Basselt, E. H. 83.
Basselt, B. M. 5334.
Basselt, B. M. 5347.
Bassol, M. B. 1727.
Basson, N. B74.
Bassol, M. W. 2477, 3337.
Bastos Hidebrandt, J. P. 6261.
Basslde, J. M. 2477, 337.
Bastos Hidebrandt, J. P. 6261.
Bassu, A. 3695, 7927.
Basu, A. 3695, 7927.
Basu, A. N. 6847.
Basu, M. 5013.
Basu, S. 7439.
Batta, A. 4897.
Battin, N. V. 1543.
Batte, J. 885.
Batteman, G.L. 491, 507, 8645.
Battin, C. 366.
Battin, M. 8853.
Battaglia, M. 8853.
Battaglia, M. 682.
Battistorti, B. 8480.
Battistorti, B. 8480.
Battistorti, B. 8480.
Battistorti, G. 16054.
Bauchman, G.L. 2882. Baseby, L.J. 9273. Basel, R.M. 3581. Battersoy, A.R. 6-33, 6-93.
Battersoy, C. 1611.
Battistorti, B. 8480.
Batzing, B.L. 6054.
Bauch, J. 2015, 894.
Bauchman, G.L. 2882.
Baudoin, A.B.A.M. 2146.
Bauch, J. 2015, 894.
Bauchman, G.L. 2882.
Bauer, S. 3885.
Bauer, S. 3885.
Bauer, S. 3885.
Bauer, W.D. 2112, 2327.
Bauer, W.D. 2112, 2327.
Bauer, W.D. 2112, 3237.
Bauerntend, A. 4349, 7091.
Baugh, C.L. 3316.
Baumann, G. 8585.
Baumernova, H. 3144.
Baveya, U.K. 3403.
Baumgaernerova, H. 2144.
Baveya, U.K. 3403.
Baumgaernerova, H. 2144.
Baveya, U.K. 3403.
Bavor, H.J. 5595.
Bawden, A.D. 6977.
Baxter, J.A. 6697.
Baxter, J.A. 6697.
Bayer, H. 598.
Bayer, K. 128.
Bayer, H. 598.
Bayer, K. 128.
Bayer, M. 3450.
Bayer, M. 306, 3064.
Bagiel, Bit 135.
Backanov, L.G. 1600.
Bazhanov, B. 1135.
Beakes, G.W. 3142, 5931.
Beake, M.A. 3175.
Beakes, G.W. 3175.
Beakes, G.W. 3175.
Beale, M.H. 2635.
Beaman, B.L. 5920. Beale, M.H. 2853. Beaman, B.L. 3609. Beaman, K.D. 9220. Bean, G.A. 4901, 7620, 8501. Beard, C.W. 9823. Beard, T.H. 5862. Bearder, J.R. 2853. Beards, G. 1308. Beards, G. M. 1743. Beardsmore, A.J. 9982.

Beasley, J.N. 2835. Beaty, H. 2459. Beaudart, J.-L. 8272. Beaudet, R. 6047. Beaudart, J.-L. 8272 Beaudet, R. 6047. Beaumont, A. 4253. Beccaro, P. V. 4859. Bech, K. 5826. Bech, D. 2070. Bechina, E.M. 1913. Beck, D. 1919. Beck, S. M. 4237. Becker, T. 5980. Becker-Raterink, S. 1216. Becker, H. 5416. Becker, J. M. 6542, 7170. Becker, J. 3844. Becker, J. 3864. Becker, Y. 3364. Becker, Y. 3364. Becker, Y. 3561. Beckert, A. 5695. Beckman, P.M. 3957. Beckwith, D.G. 9899. Becvar, J.E. 4633. Beczner, L. 2995, 3068, 3077. Bedard, L. 3480. Bedendo, I.P. 3951. Bedker, P.J. 2314, 9525. Bednar, J. 8208. Bednark, M.A. 766. Bednark, J. 8208.
Bednarek, M.A. 766.
Bednaya, L.Z. 7958.
Bedows, E. 6071.
Beechey, R.B. 5.
Bednarek, B. 2712. 4742.
Beer, S. V. 9371.
Beer, W. W. 5728. 5730, 5809.
Beeraja, R. D. 7855.
Beeraja, R. D. 7855.
Beeraja, R. D. 7855.
Beersey, J. E. 849.
Beever, R.E. 6022. 9650.
Beevis, S. N. 1034.
Beezer, A. E. 7272. 8008, 8758.
Beg, S. A. 9797.
Beggs, W.H. 2483. 5201, 6061.
Begjor-Louris-Guymarho, J. 2484.
Begjor-Louris-Guymarho, J. 2484.
Begjaret, J. 3274.
Behrara, N. 7824.
Behrara, N. 7824.
Behrara, N. 7824.
Behrara, N. 7824.
Behrara, N. 2531.
Behnke, J. 1838.
Behrhari, C. J. 5231.
Behnke, J. 2761.
Behrard, J. 9126. Behnke, U. 2781 Behnke, U. 2781 Behrendt, U. 9126. Behrens, U. 5483, 6396, 7309. Beicht, W. 8536. Beilderbeck, R. 4029, 8574. Beilder R.C. 8508. Beilharz, V.C. 3631. Beintema, J.J. 7400, 7402. Beishir, L. 9091. Bekbergenov, B.M. 1557, 3615. Bekele, S. 6772. Beker, M.J. 1839, 2747, 9110. Bekers, P. 7735. Bekhoev, I.D. 449. Bekere, V.F. 9110.
Bekesi, P. 7735.
Bekhoev, I.D. 449.
Beklathirov, T.A. 1770, 9869.
Belader, A. 8705.
Beldad, J.P. 2890.
Beldager, A. 8705.
Beldad Montero, M. 8729.
Beldad, E.L. 5800.
Beletskaya, O.P. 7267.
Belfort, M. 9822.
Bellaeva, A.V. 2260.
Belli, C. 13773.
Belkovskiy, V.I. 3191.
Bell, A.A. 1336.
Bell, A.C. 4044.
Bell, A.W. 2786.
Bell, D.K. 367.
Bell, D.K. 367.
Bell, G.D. 2430.
Bell, J.B. 7879. Bell, J.B. 7879. Bell, L.E. 9087. Bell, R.A. 7475. Bell, R.G. 2029, 4872, 6678. Bellamy, W.D. 2907. Belli, G. 1287. Belli, G. 1287. Bellinck, C. 5926, 5928. Belluco, G. 8040. Belly, R. T. 5162, 8427. Belotrov, P.I. 6479. Beloel, J. C. 4411. Belogiazova, S.E. 8830. Belotvanerko, L.V. 1055, 9626. Belokrysenko, S.S. 6335. Belousva, T.O. 2019. Belov, A.P. 7868.

Belova, T.N. 5159. Beltramini, M. 2762. Belyaev, D.L. 686. Belyaev, S.S. 3260. Belyaeva, N.A. 2681. Belyaeva, R.Kh. 7392. Belykh, R.A. 661. Belykova, V.A. 8943. Ben-Chedalia, D. 2009, 4751. 4870, 5633, 5634. Ben-Hr. E. 2450. ben-cinedalla, D. 2009, 4870, 5833, 5634. Ben-Hur, E. 2450, 8496. Ben-Joseph, Y. 424. Ben-Shalom, N. 6660. Benda, G. T.A. 9468. Bendall, M.J. 2399. Bendes, C. 6411. Bendayan, M. 1750. Bender, P. 6431. Bendoyan, C. 9101. Beneke, E.S. 1528. Bender, E.S. 1528. Benensine II. 8038. Beneke, E.S. 1528 Benerijee, U. 8036. Benes, S. 9961. Benhamou, N. 8597. Benisek, W.F. 5489. Benitot de Cardenas, I.L. 4721. Benko, M. 4897. Benlioch Padilla, M. 4284. Benlioch, M. 2541. Benmansour, A. 3522. Benmoussa, H. 1063. berninalsour, A. 3522.
Benninasar, M. 4782.
Benniasar, M. 4782.
Bennieghan, G. 190.
Bennier, H. J. 316.
Benniert, A. D. 9649.
Benniert, F. G. A. 2263.
Benniert, L. 4255.
Benniert, L. 4255.
Benniert, L. 4255.
Benniert, L. 4255.
Benniert, R. 191.
Benniert, R. 1951.
Benniert, R. 1951.
Benniert, R. 2900.
Bennier, R. E. 2900.
Bennier, R. E. 2900.
Bennier, E. 7074, 7076.
Benson, W. R. 8227.
Bensink, J. C. 7030. Benonisen, E. 7074, 7076.
Bensch, W. R. 8227.
Bensink, J.C. 7030.
Benson, B. L. 9383.
Benson, C. L. 9383.
Benson, D. L. 9383.
Benson, D. M. 927.
3366, 3989, 9419.
Bentley, R. 6628.
Bentzon, M. W. 2413, 3378.
Benz, G. 2573.
Benz, G. 2573.
Berose, T. 1547, 1672, 8028, 8029, 9219.
Beranek, D. T. 9023.
Berbee, J.G. 316.
Berch, S.M. 2327.
Berdal, B.P. 1109, 2961, 3886, 5655, 7239.
Berdichevskaya, M.V. 627, 2387.
Berdinkova, T.F. 1641, 7165.
Berenguer, J. 2555.
Beresford, R.M. 431, 2356. Berdnikova, I.F. 1841, 7105.
Berenguer, J. 2555.
Beresford, R.M. 431.
Berestennikova, N.D. 2390.
Berestenky, O.A. 551, 9554.
Bereszin, I.V. 4579.
Berezzina, O.N. 1983, 9686.
Berg, B. 2299, 2300, 3161.
Berg, C.C. 3101, 6868.
Berg, B. 2299, 2300, 3161.
Berg, C.C. 3101, 6868.
Berg, D. 5267.
Berg, J.D. 667.
Berg, J.D. 667.
Berg, J.D. 687.
Berger, P. 617.
Berg, J.D. 687.
Berger, P. 617.
Berger-Deguee, M. 2852.
Berger, L.L. 4869.
Berger, L.L. 4869.
Berger, Y. 2852.
Bergeren, F.J. 3033.
Bergman, R. 2916, 4496.
Bergman, R. 2916, 4496.
Bergman, J. 966.
Bergstrom, G. 1248, 9081.
Bergman, J. 6482.
Berman, J. 6482.
Berninger, J.E. 5937.
Berkowitz, L.B. 3417.
Berrich, U. 6324.
Berman, D.T. 1827.
Berman, R.E. 2080.

Bernard, A. 8412.
Bernard, F. 2955.
Bernard, F. 2955.
Bernard, S. L. 5369.
Bernard, S. L. 5369.
Berndit, W. B. 7857.
Bernhard-Reversat, F. 5099.
Bernier, C. C. 2253.
Bernier, R. Jr. 7378.
Bernius, S. M. 3451.
Bernius, S. M. 3451.
Bernius, S. M. 3451.
Berny, B. W. 6410. 6435.
Berovic, M. 5469.
Berry, B. 241, 267, 7598.
Berry, C. R. 2302.
Berry, D. R. 6551.
Berry, M. R. Jr. 1093.
Berry, B. L. 268.
Berryllin, D. L. 3159.
Berryman, A.A. 8651.
Berschauer, F. 9260.
Bershlein, E.M. 6170, 7972.
Bershlein, I. W. 6170, 7972. Bershiein, E.M. 6170, 79
Bershiein, I.Va. 6180.
Bersohn, R. 920.
Bersohn, R. 920.
Bertaccini, A. 3040.
Bertagrole, C.L. 9519.
Bertazzi, R. 7466.
Bertheau, Y. 9550.
Berthelin, J. 4190, 7014.
Berthelot, P. 5188.
Berthelsen, J.E. 1250.
Berti, M. 7183.
Berthall, D. 2436.
Berton, M. 2439.
Bertoni, E. 6187.
Bertrand, P.F. 5736.
Bertwick, P. 8665.
Bery, M.K. 4734.
Bes. B. 7550. Berwick, P. 8655.
Berry, M.K. 4794.
Bes, B. 7550.
Besada, W.H. 3082.
Beskid, G. 9715.
Besl, H. 8042.
Bessonova, I.A. 1983.
Bestwick, R. 9875.
Bethea, R. 5683.
Bethlentaky, G.J. 1502.
Bethlentak, R. 5111.
Betrabet, S.M. 7769.
Bettlach, M.R. 5111.
Betrabet, S.M. 7769.
Bettler, M.R. A. 1112, 4484.
Bettl, C. 4324.
Bettler, M.R. A. 1112, 4484.
Bettler, M.R. A. 1112, 4484.
Bettler, M.R. A. 1112, 4315.
Betzold, J.A. 4882, 6792.
Beucher, M. 8976.
Beumer, H. H. 7003.
Beumer, H. H. 7003.
Beumer, H. 1003.
Beumer, R. 1003.
Bevan, C. 952.
Bevan, M. W. 7690.
Bevan, R.J. 4181.
Bevanur, C. B. 2113.
Bevenidge, T.J. 4257.
Bevany, R.J. 1596.
Bevany, R.J. 1596.
Bevany, R.J. 1596.
Bevany, R.J. 1596.
Bevany, R.J. 1596. Beveridge, T.J. 4257.
Bevz, N.I. 159.2095.
Bevz, R.H. 159.2095.
Bevz, R. Enargava, S.N. 5804 Shaskaran, C.S. 326 Bhaskaran, S. 1302. Bhat, R.V. 3863. Bhat, S.S. 3018. Bhatia, C.R. 4059. Bhatia, R. 893, 3403. Bhatia, S.K. 9495. Bhatia, S.K. 9495. 3264 Bhatia, S.K. 9495. Bhatia, G.S. 8210. Bhati, C.S. 8210. Bhati, C.S. 8210. Bhatiachiarya, M. 2064. Bhatiachiarya, P.K. 3975. Bhatiachiarya, P.K. 3975. Bhatiachiarya, R.C. 5970. Bhatiachiarya, A. 7927, 8635. Bhati, M.H. 4115. Bhide, V.P. 5933. Bhowmick, B.N. 7756, 7794. Bhowmick, B.N. 7756, 7794.

Bicknell, B. 6980
Biddle, J. 3991, 7078
Biddle, J. 3991, 7078
Biddle, J.W. 5191
Biddle, J.W. 5191
Bidwell, J.L. 1541.
Biebl, H. 5563
Bielaszewska, M. 3887, 6729.
Bielacker, S. 7583, 730, 5809.
Bielimann, J.F. 4827.
Biely, P. 1869.
Bielimann, J.F. 3223.
Birmann, C.J. 2323.
Birmann, C.J. 2323.
Birmann, C.J. 2323.
Birmann, C.J. 2323.
Birmann, C.J. 2324.
Bigels, R. 790.
Bigels, R. 1922.
Bigrami, K.S. 3818.
Bigley, R. H. 2429.
Biglian, J. 1922.
Bigrami, K.S. 3874.
Bilia, T.I. 1922.
Bigrami, K.S. 3874.
Bilic, L. 2076.
Bilko, L.P. 1612.
Bilko, L.P. 1612.
Billed, W. 3015.
Billodeaux, J. 6597.
Bills, S. 4822.
Billon, J. 3877.
Bills, S. 4822.
Bindar, H. 308.
Bindar, H. 308.
Bindar, H. 3818.
Bindar, W. D. 2437.
Bindschedler, O. 1791.
Binghaw, R.T. 8818.
Binner, W. 8842.
Bird, L. S. 254.
Bird, M. M. 2894.
Bird, L. S. 254.
Bird, M. M. 2894.
Bird, S. 4822.
Bird, M. M. E. 2694.
Bird, M. B. 2694.
Bird, M. B. 2694.
Bird, M. B. 2694.
Bird, J. S. 4822.
Bird, M. B. 2694.
Bird, Bisping, B. 127.
Bissett, D.L. 4653, 6426, 6443.
Bitar, K.G. 943.
Bitnarite, J. 4688.
Bitman, J. 5175. Bitnarite, J. 4688.
Bitman, J. 5175.
Bitsaev, A.R. 2522.
Bitsaev, A.R. 2525.
Bittererova, F. 7955.
Bittner, J.B. 8754.
Bittner, J.B. 8754.
Bittner, J. 7130.
Bitton, G. 1798, 2613, 8979.
Bjorkhem, I. 9020.
Bjoerkhem, I. 9020.
Bjoerklen, F. 7607.
Bjoerklen, F. 7607.
Bjoerklen, J. 2598.
Black, J. 2598.
Black, L.T. 135, 4699, 9227.
Black, L.T. 135, 4699, 9227.
Black, R.E. 4847.
Black, R.E. 4847.
Black, M.P. 701.
Blackall, P.J. 5410.

Bhullar, G.S. 5726.
Bhumibhamon, O. 7094.
Bhuvaneswari, T.V. 2112.
Biache, G. 9208.
Bianch, A.J. M. 4785.
Bianch, A.J. M. 870.
Bianchi, M.L. 6594.
Bianco, P. 6546.
Bianco, P. 6547.
Bianco, P. 6546.
Bianco, P. 6547.
Bianco, P. 6546.
Bianco, P. 6547.
Bianco, P. 7566.
Bianco, P. 7566.
Bianco, P. 6547.
Bianco, P. 7566.
Bianco, P. 7 9525. Blanchfield, B. 222. Blanco-Lopez, M.A. 9416. Blanco, M.H. 1346.

Boege, U. 7292, 7293.
Boehm, A. M. 9927.
Boehm, H. D. 6290.
Boehm, R. B55, 8772.
Boehm, R. 855, 8772.
Boehm, R. 855, 8772.
Boehm, R. 897.
Boehnel, H. 6321.
Boehni, E. 6035.
Boening, P. H. 5325.
Boening, P. H. 5325.
Boeming, P. H. 5325.
Boefling, P. H. 5325.
Boefli

Boyer, J.M. 4308.
Boyer, R.M. 5392.
Boyer, R.F. 8443.
Boyer, S. 1475.
Boyle, C.D. 7443.
Boyle, J. 7743.
Boyle, D.D. 7573.
Boylesova, S.E. 8276.
Boyle, J.P. 7744.
Braksma, A. 7420.
Bracker, C.E. 9344, 9345.
Brackett, R.E. 280, 281, 282, 283.
Brackett, R.E. 280, 281, 282, 283.
Bradcatory, E.M. 1903.
Bradley, D. 8367, 585.
Bradford, B. 3983, 5785.
Bradford, B. 3983, 5785.
Bradford, B. 3983, 5785.
Bradford, B. J. 6209, 8136.
Bradford, B. 3983, 5785.
Bradford, D. 400, 3890.
Bradley, D. 400, 3890.
Bradley, J. 251, 2832.
Bradshaw, J. 251, 2832.
Bradshaw, J. 251, 2832.
Bradshaw, J. G. 1093, 2912.
Bradshaw, J. G. 1093, 2912.
Bradshaw, J. 6303.
Bradshaw, J. 6303.
Bradshaw, J. 6308.
Brain, G.J. 1789.
Brainliwaite, M. 326.
Brain, G.J. 1789.
Brainliwaite, M. 326.
Brain, G.J. 1789.
Brainliwaite, M. 326.
Brain, G.J. 1831, 2591.
Brake, M.K. 6779.
Bramley, A.J. 6038.
Brana, A.F. 2820.
Brana, M.F. 3358.
Brana, R.F. 2820.
Brana, M.F. 3358.
Brana, M.F. 3486.
Braselton, U.R. J.R. 8546.
Brasher, D.A. 7195.
Branen, A.L. 2035.
Branen, D.G. 1035.
Brathwaite, C.W.D. 1305.
Brathwaite, C.W.D. 1305.
Brathwaite, C.W.D. 1305.
Brathwaite, C.W.D. 1305.
Brathway, D. 9217.
Braun, D.G. 305.
Braun, N. D. 9217.
Braun, D.G. 305.
Braun, R. 1798.
Brathylin, D. 9217.
Braun, D.G. 305.
Braun, R. 1798.
Bratylinkova, M.G. 779, 1642, 1676, 5543, 7992, 8018.
Brazelinn, D.G. 1779, 1642.
Brazelinn, D.G. 1770.
Braden, D.J. 1770. Backer, G. 196, 2314, 2880, 5936, Bohrnichi, K. G.T. 1996, Bohrne, L. 1946, Bohrne, L. 1946

Briley, M.R. 7085.
Brill, W.J. 3228, 7008, 7010.
Brillinger, G.-U. 8877.
Brim, C.A. 9580.
Brillinger, G.-U. 8877.
Brim, C.A. 9580.
Brinacombe, R. 7289.
Brink, E.W. 9859.
Briozzo, J. 2943.
Brisbane, P.G. 7256.
Brisseld, T. 8209.
Brisson, J.D. 8100.
Brito, K. W. 953.
Britton, K.O. 1217.

Brown, S. 391, 7078.
Brown, S. 3920.
Brown SW, 4520.
Brown SW, 4520.
Brown SW, 4520.
Browne, M. J. 3559.
Brownell, H. H. 5408.
Brownell, H. H. 2018.
Brownell, H. H. 2018.
Brownell, H. H. 2018.
Brownell, K. H. 1171, 4160.
Bruce, J. 4305, 4779, 5390, 9102.
Bruce, A. 2040.
Bruce, J. 4305, 4779, 5390, 9102.
Bruce, K. R. 9634.
Brucek, K. P. 1148.
Brucek, M. 1194. 2284, 4087.
6852, 8451.
Bruening, G. 3028.
Burland, M. 12, 8861.
Brungman, S. 6285.
Brufland, M. 12, 8861.
Brungman, S. 6285.
Brungman, S. 6286.
Brungman, S. 6288.
Brungman, S. 628 Brown, R.M., Jr. 7473. Brown, S. 3391, 7078. Brown, S.L. 9920. Brown, S.W. 4520. Bromberg, K. 9009.
Bromfield, E.S.P. 887, 890, 7821.
Bromfield, K. 1933, 2130, 5666, 6858.
Bromfield, K. 1933, 2130, 5666, 6858.
Bromfield, K. 1933, 2130, 5666, 6858.
Bromled, S. M. 573.
Bron, S. 9121.
Bronnikov, Yu, N. 9734.
Bronov, V. V. 770, 2594, 2596.
Bronstein, M. L. 1585.
Brooke, A. R. 4804.
Brooke, A. R. 4804.
Brooke, B. C. 572, 4220.
Brookes, B. O. 3489.
Brookes, J. D. 8196.
Brookes, J. D. 8196.
Brookes, J. D. 8196.
Brookes, J. D. 8196.
Broome, M. C. 4813, 7569.
Broome, M. C. 4813, 7569.
Broome, M. C. 4813, 7869.
Brosseau, J. D. 124, 3694.
Brosseau, J. D. 124, 3694.
Brossen, A. 8779.
Brosser, M. G. 9897.
Brotherson, J. D. 5867.
Brouphall, J. M. 8468.
Brougham, R. W. 2364, 6981.
Brower, G. R. 2606.
Brown-Skrobot, G. W. 2623.
Brown, A. E. 3000, 3019, 3999.
Brown, A. E. 3000, 3019, 3999.
Brown, C. 171
Brown, A. E. 3602, 3818.
Brown, D. 8423, 8436.
Brown, D. 8423, 8436.
Brown, D. R. 4236, 4514.
Brown, D. R. 4809, 6801.
Brown, J. M. 4878.
Brown, J. A. 1847.
Brown, J. M. 2936.
Brown, J. R. 5772.
Brown, J. M. 8736.
Brown, J. R. 5979.
Brown, J. M. 8736.
Brown, J. R. 5979.
Brown, J. R. 5980.
Brown, J. R. 5980.
Brown, J. R. 5979.
Brown, J. R. 5980.
Brown,

Buisson, J.-P. 3362. Bujalowski, W. 978. Bukbarde, V.U. 7341. Bukhar, M.I. 1948. Burlington, D.B. 3361,
Burns, A. 9162,
Burns, R. G. 2344,
Burn, T. J. 400, 2145, 4120, 5744,
Burn, T.J. 400, 2145, 4120, 5744,
Burn, T.J. 400, 2145, 4120, 5744,
Burn, T.J. 400, 2145, 4120, 5744,
Burnill, H.N. 9087,
Bursill, H.N. 9087,
Bursill, R. 2980,
Burrows, P.M. 1147,
Bursch, A.W. 6241,
Busch, R.H. 3125,
Busch, R.M. 3125,
Busch, R.M. 3127,
Busch, R.M. 3128,

Buisson, J.-P. 3362.

Butler, W.R. 9638. Butner, J. 8979. Butt, D.J. 1201. Buttlaire, D.H. 2803. Butzler, J.-P. 2422. Butzler, J.P. 2595. Butzler, J. P. 2422 Butzler, J. P. 2595 Buwalda, J.G. 564, 2329, 5101. Buyanorsky, G. 8665. Buzzell, R.I. 1373, 1420. Buzzelta, L. 3508. Bychkowski, O. E. 5227. Bydzovska, O. 7964. Byers, L.D. 4639. Byers, L.D. 4639. Byers, L.D. 4839. Byeror, W. 2217. Bykova, O. N. 1929. Bykova, O. N. 1929. Bykova, O. N. 1929. Bykova, S.P. 793. Byler, J.W. 9526. Bylinkina, E. S. 1608, 1639. 2563, 2564, 7153, 8870. Bystrova, L.V. 2548, 2549. Byther, R.S. 6879, 6928. Byun, S.M. 71. Bywater, M.J. 4367, 6134. Byzov, B.A. 4224. Bzik, D.J. 7943.

Callist, X. W. 5357.
Call, Y. A. \$42.
Callisted, F. 7216.
Calliet, F. 4747.
Calliet, F. 4747.
Calliet, F. 4747.
Calliet, F. 4747.
Calliet, F. 4748.
Calliet, F. 4748.
Calliet, F. 4748.
Calliet, F. 4749.
Calliet, G. 4453.
Calcott, P. H. 3265.
Calclort, P. H. 3265.
Calcleron, R. 2630.
Calcleron, R. 2630.
Calcleron, G. 4849.
Calliet, F. 4749.
Carriet, G. 449.
Carriet, M. 2599.
Carriet, G. 449.
Carriet, G. 449.
Carriet, M. 2599.
Carriet, G. 449.
Carriet, M. 2599.
Carriet, G. 449.
Carriet, M. 2599.
Carri

Campos, E. 2235. Canaday, C.H. 589. Canary, D.J. 9491. Canawati, H.N. 773. Cane, D.E. 6205. Canepar, P. 5249. Cannoll, R.Q. 8684. Cannon, R.E. 9796. Canonico, P.G. 5212, 8797. Cantarelli, G. 1975. Cantarelli, G. 1975.
Canteros de Echenique, B.I. 456 Canteros de Echenique, B.I. 456
Cantisani, A. 178.
Canton, J.H. 278.
Canton, J.H. 278.
Canton, E.A. 9451.
Canton, E.A. 9451.
Canton, C. 3824.
Cantrell, M.A. 3127, 3578, 5936.
Cantut, H. 8170.
Cao, S. 1778.
Caplan, J.A. 850.
Capmau, M.L. 8012, 8821.
Cappelletti, L. 6167.
Cappelletti, L.M. 6157, 9732.
Cappellini, R.A. 3106, 5032.
Cappenin, R. 8583.
Capponi, R. 8583. Capponi, H. 8583.
Caprolin, A. 2952.
Caputo, A. A. 677.
Caputo, C. 2493.
Caradus, J. R. 524.
Carbonero, V. 7837.
Cardenas, J. 5124.
Carbonero, V. 7837.
Cardenas, J. 5124.
Cardoso, C. L. 7889.
Cardoso, J. P. 2765.
Cardoso, R. M. G. 2203.
Carey, G. P. 1738.
Carey, G. F. 1858.
Carey, W. A. 544.
Carlier, C. 2291, 6005.
Carling, D. E. 587.
Carlebach, R. 3915.
Carlone, R. A. 600.
Carling, D. E. 587.
Carlone, R. A. 600.
Carling, D. E. 587.
Carlone, R. A. 600.
Carlone, R. A. 600.
Carlone, R. A. 600.
Carlone, R. A. 600.
Carlone, R. C. 600.
Carlone, R. 600.
Carlone, R. 6704.
Carlone, R. 680.
Carlon Campbell, J. J. 3622.
Campbell, R. 569, 578, 3008, 4199. Casetta, A. 9341.
Campbell, R. 6993.
Campbell, R. K. 4535.
Campbell, R. N. 1264, 2968.
Campbell, R. W. 7476.
Campbell, R. W. 7476.
Campbell, R. W. 7476.
Campbell, R. W. 7476.
Campbell, C. 4341.
Caskey, W. 2307.

Casolari, A. 7084, 7093,
Casper, D. H. 3944, 4961, 4962, 9352, Champigny, M.-L. 8701,
Casper, G. 1079,
Cassaigne, G. 1079,
Cassaigne, A. 7405,
Cassaigne, A. 7405,
Cassaigne, A. 7405,
Cassaigne, B. 1149,
Cassaigne, G. 2815,
Cassell, D. 1149,
Cassaigne, F. 6667,
Cassell, P. 7084, 4409,
Castaigne, F. 6667,
Casting, F. 6667,
Cas Caspir D. H. 944, 4961, 4961, 2962, 2952 Champroyn, M. L. 8701.
Caspirorion, G. 4124, 4310.
Caspirorion, G. 4124, 4310.
Caspirorion, G. 4124, 4310.
Cassand, G. 2015.
Cassand,

Chen, H.Y. 2552, 7982. Chen, J.-S. 7865. Chen, J.H. 4809, 6685. Chen, J.J. 8095. Chen, J.S. 2845. Chou, C. K. S. 4169, 7787, 778

Chmigla, V.A. 2184. Cho, E.K. 6839. Cho, G.H. 6839. Cho, J.J. 8592. 9384. Cho, N.Y. 9075. Chodayeb, A.A. 6284. Chohayeb, A.A. 6284. Choi, S.Y. 7464. Choi, S.Y. 7464. Chung, C. K. 240.
Chung, S. K. 8846.
Chung, S. S. 4386, 4387, 9741.
Church, B. M. 5725.
Church, F. C. 61, 63.
Churkina, L. N. 8895.
Chursina, T. V. 726.
Chynoweth, D.P. 5311.
Clafardini, G. 4434.
Clehowicz, D.J. 67.
Clchowicz, D.J. 67.
Clchowicz, D.J. 67.
Clchowicz, J. 4775, 4776.
Clegler, A. 279, 2313, 2315, 5848, 7619.
Clittic, T. 840, 4375.
Climburtos, B. 6, 7373.
Climburtos, C. M. 3375.
Climburkova, E. 2744.
Climerman, A. 5469, 8054.
Climier, F. 5305.
Climburkova, E. 2746.
Climburga, M. 3371.
Climburkova, E. 2746.
Climburga, M. 3871.
Cl

Ciuffetti, L.M. 7618.
Ciuffi, M. 6186, 6187.
Civerolo, E.L. 5381, 5398.
Ciznar, I. 300, 3891.
Clackson. T.E. 7090.
Claeyssens, M. 6436, 6438.
Claffin, L.E. 4949.
Clarholm, M. 552.
Clark, A.K. 7601.
Clark, A.M. 7458.
Clark, B.D. 1107.
Clark, B.D. 6466.
Clark, B.L. 6466.
Clark, C. 4994. Choi, V.D. Bosco, Choi, V.D. Bosco, Choi, V.D. Bosco, Choi, V.D. Bosco, Chong, J. 2136.
Chong, J. 2136.
Chong, R. 109, 4696, 6564.
Chopra, R. 109, 4696, 6564.
Chopra, A.K. 6558.
Clark, D.C. 8995.
Chopra, A.K. 6558.
Clark, D.C. 8995.
Chopra, A.K. 6558.
Clark, D.C. 212.
Clark, J.A. 797.
Clark, J.A. 797.
Clark, J.A. 797.
Clark, J.A. 797.
Chou, J.C. 543.
Chou, T.C. 543.
Clark, W.S. 4026.
Clark, W.S. 4026.
Clark, W.S. 4026.
Clark, M.A. 4357. 6155.
Clarke, A.M. 4357. 6155.
Clarke, G.F. 7110.
Clarke, K.R. 9329.
M. 9009. Clarke, J. F. 7710.
Clarke, J. A. 9476.
Clarke, K. P. 9476.
Clarke, K. P. 9829.
Clarke, L. M. 9029.
Clarke, L. M. 9029.
Clarke, L. M. 9030.
Clarke, P. M. 7234.
Clarkson, M.J. 7087.
Claus, G. 5500, 8450.
Claus, R. 2781.
Clausen, E. 7549.
Claydon, N. 5539.
Claydon, N. 5539.
Cleapy, T.J. 5262.
Cleaton-Jones, P.E. 8077.
Cleeland, R. 9715.
Clement, D.L. 6297.
Clement, D.L. 6297.
Clement, B.L. 9427.
Clements, H.M. 9763. Clement, D.L. 0257
Clements, L. 9277
Clements, H.M. 9776.
Clements, H.M. 9776.
Clements, J.D. 291.
Clercq, E. De 6068.
Clercq, E. De 6068.
Clercq, E. De 6068.
Clercq, R. 10000.
Cless, 9923.
Clessceri, L.S. 7548, 8445.
Cleveland, P.H. 3540.
Cleveland, P.H. 3540.
Cleveland, T.E. 345, 5772.
Cleveland, T.E. 345, 5772.
Cleveland, T.E. 345, 5772.
Cleveland, T.E. 345, 5772.
Cleveland, T.E. 3669.
Cline, G.R. 9558.
Cline, G.R. 9558.
Cline, S. 3029.
Cline, S. 9766.
Clutt, H.C. 9555.
Clust, R.G. 8142.
Clyde, W.A., Jr. 9870.
Coakley, S.M. 2125.
Coates, D. 2676, 5400.
Cobb, F.W., Jr. 541, 1451, 4168, 5082.
9518.
Cocker, F.M. 7951, 8094.
Cocker, F.M. 7951, 8094.
Cocker, F.M. 7951, 8094.
Cocker, F.M. 7951, 8094.
Coddington, A. 8748.
Coe, P.L. 5210.
Coerueslue, E. 9134.
Coetze, J. 201344. Coe, P.L. 5210
Coerussiue, E. 9134,
Coetzee, J.C. 3846, 9407.
Coffelt, T.A. 1342.
Coffey, M.D. 9401.
Coggin, J.H., Jr. 3474.
Coggins, J.R., 4686, 7386.
Coghill, D.M. 191.
Coghill, D. 4814,
Cohen, E. 1419.
Cohen, G.J. 6354.
Cohen, H. B. 7447.
Cohen, I.R. 8184.
Cohen, I.R. 8184.
Cohen, I.R. 8292. Cohen, I.H. 8184. Cohen, J. 6292. Cohen, L.R. 1603. Cohen, M. 8565. Cohen, M.S. 9637. Cohen, N.C. 5236. Cohen, S. 3273. Cohen, S. N. 751 Cohen, T. 6067. Cohen, Y. 5717. Cohen, Y. 6798. Colen, Y. 6796. Coignau, H. 2595. Coker, A.O. 1773. Coker, C.J. 3571. Colacino, J.M. 9687.

Colaert, J. 4353 Colcord, A.R. 4734. Cold, M.H. 2001. Colditz, I.G. 8122 Cole, A. 1219, 2148. Cole, A.L.J. 687, 688, 1851. Cole, C.V. 614, 4218. Cole, D.L. 2998. Cole, E.C. 1727. Cole, G.T. 4008. Cole, H.J. 1172, 9362. Cole, J.A. 73, 972, 4690. Cole, M. 3491. Cole, W.E. 3167. Cole Colling, 1-19.05. Collin, P.190.5. Collieran, E. 8963. Colliera, A.M. 9870. Collins-Thompson, D.L. 4771, 4835, 4878. Collins, E.B. 1040. Collins, E.B. 1040. Collins, G.B. 1340. Collins, G.B. 1340. Collins, J.A. 256. Collins, J.K. 5160, 9941. Collins, J.K. 5160, 9941.
Collins, J.L. 262
Collins, M.E. G. 2371.
Collins, M.F. 933.
Collins, N.F. 245.
Collins, N.F. 245.
Collins, N.F. 245.
Collins, P. 9697.
Collinson, S.K. 3211.
Collins, P. 9697.
Collinson, S.K. 3211.
Collins, P. 3699.
Colosimo, A. L. 4398.
Colosimo, A. 4614.
Colville, J.M. 8206.
Colviell, R.R. 2622, 5431, 6258, 9948. Oolville, J.M. 8206.
Oolville, J.M. 8206.
Oolville, H.R. 2622, 5431, 6258, 9348.
Oolville, H.R. 2622, 5431, 6258, 9348.
Oolville, H.R. 2622, 5431, 6258, 9348.
Oombes, T. 3291.
Oombes, T. 3291.
Oombes, W. S., Jr. 2956.
Oomer, M.J. 8266.
Oomer, M.J. 8266.
Oomer, M.J. 8266.
Oomer, M.J. 8266.
Oombeta, S. 1060.
Oombool, H. 7727.
Oombool, H. 7727.
Oombool, H. 7727.
Oombool, H. 7727.
Oombool, H. 7728.
Oonlort, M. 9732.
Oonlort, H. 9732.
Oonlort, M. 1992.
Oonlort, M. 9732.
Oonlort, M. 9974.
Oonlort, M

3158, 4090. Cooke, B.C. 4817. Cooke, B.M. 3021, 6767. Cooke, M.D. 9956.

Cooke, M.D. 9956. Cooke, R.W.I. 1892. Cooksey, D.A. 2417, 9472. Coolbaugh, C. 2899 Cooley, D.R. 591. Cooley, R.O. 810. Coombes, J.W. 8158.

Coombs, G.H. 7090. Coombs, J.P. 6341. Coombs, R.R.A. 1742. Cooney, C.L. 969, 2877, 8086, 9754, 9755. 9754, 9755. Cooney, J. 3577. Cooney, J.J. 5143, 5145. Cooney, M.H. 9637. Cooper, A. 8447. Cooper, A.B. 163. Cooper, B.H. 1569, 3308. Cooper, G.R. 1252.

Cousin, C.M. 5350. Cousin, M.A. 226, 805. Cousineau, L. 1739. Cousins, C.M. 2913. Cousminer, J.J. 5485. Cousminer, J.J. 5485.
Coult, L. 5814.
Courts, R. H.A. 318, 413, 1232, 1315, 3113, 9460.
Coulture, L. 506, 7670, 7675.
Coulture, M. 6883
Cove, J.H. 3598, 7064.
Covell, H.D. 9656.
Cover, E.C. 480
Cover, E.C. 486
Cov. R.A. 7268
Cov. R.A. 7268
Cov. R.A. 7268
Cov. R.A. 7268
Cov. R.H. 5503
Cov. R. 19146
Cov. R.H. 5503
Cov. R.H. 1940
Cov. R.H. 1940 Cooney, J.J. 5143, 5146, Cooney, J.J. 5143, 5146, Cooper, A. B447
Cooper, G.R. 1262
Cooper, G.R. 1262
Cooper, G.R. 1262
Cooper, G.R. 1262
Cooper, G.R. 1263
Cooper, R.A. 8260

Csendes, I. 9750.
Csengesi, A.J. 1400.
Cuck, D. 2820
Cuchural, G.J. 5262.
Cuchy, A. 4411
Cuevas, R. 207. 3382
Cuffini, M. 8040.
Cuffini, M. 8040.
Cuffini, M. 8040.
Cullen, D. 1167, 3945
Cullimare, J.V. 5939, 6467, 6985
Cullimare, J.V. 5945
Cul

Daho, S.J. 7o1 - 2.
Danon, T. 454.
Danso, S.K.A. 9611.
Danson, M.J. 4682, 7396.
Daoud, N.N. 7910.
Daria, G. 4491.
Daramola, D.S. 8688.
Darbeeva, O.S. 8804.
Daramola, D.S. 8688.
Darbeeva, O.S. 8804.
Darias, V. 4317, 8769.
Darisse, F. 505, 7670.
Darmon, C. 3384.
Darrih, L.L. 1346, 3880.
Dart, E.C. 5386.
Dart, B.C. 1682.
Dari, B.K. 1682, 1642.
Dari, B.K. 1682, 1642.
Dari, B.K. 16815.
Das Gupta, C. 6647.
Das, J. 1622.
Das, S. 1810.
Das, J. 1622.
Das, S. 1810.
Daschner, F. 800, 801.
Daschner, F. 808.
Datia, M. 4285.
Datia, M. 4285. Dabemat, H. 7318, 7873.
Dabemat, H. J. 6119.
Daciulyte, J. 4256.
Dadak, V. 8124.
Dadarwal, K.R. 5965.
Dademen, A.L.H. 4876.
Dafalla, G.A. 2199.
Daft, M.J. 2330, 2348, 5894.
Daft, W.J. 5230, 2348, 5894.
Daft, S. 6074.
Daglegy, S. 1849, 6429.
Dagnogo, M. 6611, 6612.
Dahny, C. B. 6174.
Daglegy, S. 1849, 6429.
Dathis, A.S. K.R. 7.
Dather, G. K.R. 7.
Dather, G. K.R. 7.
Dather, G. 4540.
Dahme, A. 4540.
Dahme, A. 4540.
Dahme, A. 4540.
Dahme, A. 4542.
Dahme, A. 4540.
Dahme, A. 4540

Davide, R.G. 1432 Davidkova, E. 3803. Davidse, L.C. 6795. Davidson, E.W. 1022, 1035, Davidkova, E. 3803.
Davidse, LC. 6795.
Davidson, E. C. 6795.
Davidson, E. C. 6795.
Davidson, E. W. 1022, 1035,
5662, 6622.
Davidson, J. S. 5156.
Davidson, J. S. 5156.
Davidson, M. S. 1497, 7006, 7011.
De Ley, J. 362, 419, 4708,
Davidson, P. M. 2009.
Davidson, S. 3386.
Davidson, P. M. 2089.
Davidson, S. 3386.
Davies, A. 8953.
Davies, A. M. C. 387, 1226.
Davies, D.R. 1904.
Davies, F. T. J. 583.
Davies, F. T. J. 583.
Davies, J. 4582.
Davies, M. E. 7112.
De Menoze, T. J. B. 9225.
Davies, M. E. 7112.
De Pedro, M. A. 2555.
De Davoust, D 5555. Davranov, K. 7354. Davtian, M.A. 7333. dova, M.A. 2260. Deaton, W.R. 1340. Deneux, J.-C. 3589. Dickens, J.A. 7595. Doke, N. 3098, 3144.

De la Rosa, F.F. 7291. De la Rosa, M. 9976. De la Rubia, T. 3280. De la Torre, F. 7984.

Dellork, R. 6054. Dellweg, H. 5502, 7532. Delmas, C. 6119 Delmas, J. 6899

Devriese, L.A. 660, 2398. Devyatkina, O.E. 1774. Devys, M. 675, 7444. Dewys, M. 675, 7445. Dewey, B.W. 4231. Dewey, R.S. 3436. Dewey, R.S. 3436. Dewey, W.G. 4110, 4111. DeWitt, C. 7112. Dewitt, S.K. 2841. DeWitt, S.K. 2844.

Disthaporn, S. 1162. Ditgens, K. 5267. Ditlow, C. 25, 27. Divekar, P.V. 7990. Diven, W. 754. Davidson, B. 1, 5432.
Davidson, J. 1, 5803.
Davidson, J. 1, 5805.
Davidson, M. 5, 1497, 7006, 7011.
De Laprid, K. 4, 4871.
Delenan, J. 1, 5805.
Davidson, J. 1, 5805.
Davidson, M. 5, 1497, 7006, 7011.
De Laprid, K. 4, 4871.
Delenan, J. 1, 5805.
Davidson, M. 5, 1497, 7006, 7011.
Delenan, J. 1, 5805.
Davidson, M. 5, 1497, 7006, 7011.
Delenan, J. 1, 5805.
Davidson, M. 5, 1497, 7006, 7011.
Delenan, J. 1, 5805.
Davidson, M. 5, 1497, 7006, 7011.
Delenan, J. 1, 5805.
Davidson, M. 5, 1497.
Davidson, M. 6, 1490.
Davidson, J. 1, 5805.
Davidson, M. 1, 5807.
Davidson, J. 1, 5805.
Davidson, M. 1, 5807.
Davidson, M. 1, 5805.
Davidson, M. 1, 5807.
Davidson, M. 1, 5807.
Davidson, M. 1, 5805.
Davidson, M. 1, 5807.
Davidson, M. 1, 5805.
Davidson, M. 1, 5807.
Davidson, M. 1, 5807

Dawe, D.L. 5385.
Dawes, E.A. 9129.
Dawes, E.A. 5408, 9176.
Dawson, G.W. 3108, 6632.
Dawson, J.O., 9511.
Dawson, P. 3982.
Dawson, J.D., 6640.
Dawson, P. 3640.
Dawson, S.G. 3331.
Dawson, W.O. 457, 5220.
Day, B.F. 4781.
Day, D.F. 397, 2805, 4735.
Day, F.P., Jr. 4194.
Dayan, M.P. 1366.
Daykin, M.E. 3980.
Dayton, A.D. 6880.
Dayton, D.F. 7782.
Daza, R.M. 6128.
Dazza, R.M. 6128.
Dazza, R.M. 6128.
Dazza, F.B. 1568, 9239, 4242.
De Arriaga, D. 1905.
De Barjac, H. 964.
De Beer, R. 2789.
De Bernedett, 1942.
De Bernedett, 1942.
De Bernedett, 1942.
De Boer, E. 2436. Dawe, D.L. 5385

Deavin, A. 7797, 7798.
Debaert, M. 5188.
Debha, E. 3392.
Debey, P. 8282.
DeBols, L.D. 6831.
Debnath, N.C. 5970.
Debosz, K. 5096.
DeBoy, J. 3299.
Debrot, E.A. 409.
Debus, D. 7532.
Decicco, B. T. 7118.
Decker, K. 6531. Day, B. P.F. 4781, 2262.
Day, S. P.F. 3787, 2805, 4735.
Day, P.F. 3788, 2805, 4735.
Day, P.F. 3789, 2805, 4747, 4789, 47

Derrot, E. 4370, 5165.
Dermourni, H. 2722.
Demnock, R. 7228, 8102.
Democken, P.H. 5713, 9357.
Demock, C.M. 3574.
Derrok, C.M. 3574.
Derse, D. 704.
Derse, D. 704.
Derse, D. 707.
Dess, D. 207.
Dess, D. 207.
Dess, D. 207.
Dess, J. 207.
Dess, J

Dissanayake, S. 6328.

Dose, K. 4891

Microbiology Abstracts A vol. 18

Microb

Esser, K. 1046, 3749, 7263, 8806 Esser, P. 5544. Esteban, M. 2485. Esteban, R. 4885. Ester Bonfirn, M. 7869. Estes, M. K. 4313. Estevez, E. 8789. Estivez, E. 8789. Etingov, E.D. 6170, 8230, 8862. Etingov, E.D. 6170, 9869. Evans, C. S. 8422. Evans, C. S. 8422. Evans, D. R. 23. Evans, D. R. 23. Evans, D. R. 23. Evans, H. F. 1470. Evans, H. F. 1470. Evans, J.A. 2839.
Evans, J.B. 6727.
Evans, L. 7227.
Evans, R. H. 1705, 2888.
Evans, R. H., Jr. 6197.
Evans, R. R. 13605, 8123, 8814.
Evans, R. H., Jr. 6197.
Evans, R. H., Jr. 6197.
Evans, R. H., 6262.
Evans, W. G. 9532.
Evans, W. M. 2112.
Evdokimov, Yu. M. 7971.
Eveleigh, D. E. 6346.
Evenson, M.L. 1110.
Eversmeyer, G. W. 2803.
Everett, P. H. 5349.
Everett, P. H. 1311.
Eversmeyer, M. G. 3932, 9499.
Evgrafova, L. P. 1163.
Evison, L. M. 5324.
Evssenko, O.V. 9666.
Evtukhova, L. N. 8724.
Evtushenko, A.I. 3344.
Ewards, B. F. P. 23.
Eweiss, N. F. 7959.
Ewell, H. R. 7579.
Exconde, O. R. 1197.
Exner, M. 5344.
Eyal, Z. 454, 3950, 8620.
Eyndo, E. Van den 6247.
Evssen, H. 5576. Eyade, E. Van den 6247. Eynde, E. Van den 6247. Eyssen, H. 5576. Eze, E.N. 8072. Ezura, Y. 3318, 9171. Ezzat, N. 1941.

F. de Toledo, M.R. 6311. Fabbri, A.A. 6701. Fabbri, A.A. 6701. Fabran, I. 4773. Fabregas, J. 9789, 9771. Fabri, I. 2909. Faccioli, G. 2155, 8583. Facktam, R.R. 5429. Facktam, T.J. 4759. Fadeeva, L.E. 6176. Fadeer, R.C. 8092. Fadnes, P. 3620. Faebnrich, P. 8253. Fagan, S. G. 2190. Faehnrich, P. 8253. Fagan, S.G. 2190. Fagan, S.M. 1816, 8162. Faeprerg, D.J. 3289. Fahey, G.C. Jr. 4660. Fahey, J.W. 850. Fahey, T.J. 4139. Fahmy, A. 8793. Fahy, P.C. 3063.

Ertola, R. 7823, 8212, 9118.
Ervin, J.L. 2941
Erzen, M. 3614, 12941
Erzen, M. 3615, 1273, 1279, 9675
Esaki, N. 1872, 1890, 9127.
Esaki, N. 4032, 158, 2917.
Esaki, N. 4032, 158, 2917.
Esaki, N. 4032, 158, 2918, Ettler, P. 4392, 7119
Eugster, A. 3643
Evanochko, W.T. 2759, 7436.
Evans, C.S. 8422
Evans, D.A. 6004
Evans, D.R. 23
Evans, D.R. 23
Evans, F.E. 7019
Evans, H.J. 3578, 5936, 6979, 7009, Farrar, J.F. 3939, 6769.
Evans, J.A. 2839
Evans, J.A. 2839
Evans, J.A. 8289
Evans, J.A. 8727.
Evans, L. 7227.
Evans, L. 7227.
Evans, L. 7227.
Evans, M. 8705, 2888. Farshy, C.E. 9918, Farshy, C.E. 9918, Farshy, C.E. 9918, Farshy, C.E. 2925, Fasano, O. 1835, Faschink, K.G. 703, Faschink, K.G. 703, Faschink, K.G. 703, Faschink, C.E. 5233, Faschink, C.A. 4968, Fattakh, F.A. 5863, Fattokin, C.A. 4968, Fattakh, F.A. 5864, S912, Fasuski, J. 7865, Faski, J. 7965, Faski, J. 7966, Faski, J. 7966, J. 7966, J. 7967, Faski, J. 7968, J. 7 Feinmann, H. 1150. Feichter, A. 5446. Fein, J.E. 2857, 3550, 9245. Feinberg, M. 3769. Feingold, D.S. 3307.

Feingold, D.S. 3307. Feist, H. 2819. Fejerskov, O. 8996. Fekete, F.A. 8090. Feldblum, R.L. 630. Feldman, L. 1511. Feldman, M. 5942, 5944.

Feldman, W.E. 5259. Feldner, J. 8249. Feldstein, H. 8969, 9628. Feliciano, A. 1221. Felix, C.C. 428 Felix, C.C. 428 Fell, H.W.K. 2634. Fell, J.T. 3459. Fell, J.W. 3623. Feller, C. 5133. Fellman, J.K. 4302. Feitham, D. 5195, 6202. Fetham, R.K.A. 8091. Femi-Onadeko, B. 9660

Finke, R.L. 606.
Finkelman, M.A.J. 6571.
Finkelstein, R.A. 4916, 7634.
Finn, G.A. 4248
Finn, M.P. 9931
Finn, R.K. 2891, 5583.
Finne, G. 2935, 4808.
Finner, K.F. 240.
Finol, M.L. 659
Finotit, E. 6701.
Finstein, M.S. 7191.
Firstein, M.S. 7191.
Firstein, A. 4137.
Firantas, S.-G. A. 1901.
Firevoved, R.L. 900.
Firstov, L.M. 6459.
First, M.W. 7214.
Firstenberg-Eden, R. 3613.
Fischer, G.W. 9938.
Fischer, J. 5659.
Fischer, J. 5659.
Fischer, S. 3682, 5485.
Fish, N.M. 626, 5507.
Fissher, J. 4913.
Fisher, J. 4931.
Fisher, J. 4833.
Fisher, J. 4833.
Fisher, J. 4893.
Fisher, J. 4999.
Fisher, J. 4993.
Fisher, J. 4993.
Fisher, J. 4993. Fell, J. W. 3623.
Feller, C. 5133.
Feller, C. 5143.
Feller, C. 5143.
Feller, C. 5144.
Feller, C. 5145.
Feller, C. 5144.
Felle

Foght, J.M. 8717.
Foglio, M. 1611.
Fokkkema, N.J. 3147.
Folayan, J.O. 1578.
Foldes, M. 3383.
Folta, D. 970.
Formenko, T.I. 1868.
Formina, I.P. 855, 780, 1647, 2394, 2407.
Form, B. S. 780, 1647, 2394, 2407.
Fong, J.C. 7802.
Fonseca, K. 5281.
Fonseca, M. EF. 7948.
Fonseca, G. 3858.
Fonseca, G. 566.
Fontana, A. 4210, 4638.
Fontana, R. 5249.
Fontes, C. F. 6311, 9299. Forliana, R. 5249.
Fontlas, G.F. 6311, 9299.
Fontliss, G.F. 6311, 9299.
Fontliss, G.F. 6316.
Foot, F. 6184.
Foote, N. 4856
Foote, R.S. 868
Foott, W.H. 9349.
Forberg, W. 3439.
Forberg, W. 3439.
Ford, G.C. 960.
Ford, J.M. 9975.
Ford, R.H. 7222.
Ford, T.E. 8145.
Fordyee, A.M. 6440. Fordyce, A.M. 6440. Forer, L.B. 1209, 2142, 8595. Forget, N. 2741. Forget, N. 2741, Forgey, W.M. 1346, Formal, S.B. 2962, Formarsano, M. 7563, Fornaro, P. 6189, Forner, Ch. 6396, Forouhi, F. 8085, Forrest, H.R. 9368, Forrest, T. 8824, Forsberg, C.W. 8244, Forsberg, C.W. 8244, Forsberg, C. W. 8249, Forster, C.F. 6928, 9092, 9799, Forster C.F. 8928, 9092, 9799, Forsteruter-Kuenstler, M. 242, Fort, R.C. 1574. Fort, R.C. 1574. Fortier, B. 3531 Fortier, B. 3531 Fortin, J.A. 5097, 5910, 5913, 6893, 6970, 7776, 9510, 9543, Solvey, 1950 9544 Foster, E.M. 229
Foster, J. 1, 6836.
Foster, J. 1, 168.
Foster, J. 1, 169.
Foster, J. 1, 169.
Foster, J. 1, 169.
Foster, J. 1, 169.
Foster, J. 1, 1654.
Foster, V. 1, Foz, A. 745. Fradkin, A. 3625. Fradkova, T.A. 1654, 2520, 2594, 6104. Frailish, F.A., 9838. Frame, J. 6953. France, G.D. 1242. France, R.C. 9505. Franceschi, G. 1611, 2561, 4200 5264. Franceschi, G. 1611, 2561, 4390, 5260.
Franchi, L. 9862.
Franchi, L. 9862.
Francis, D.W. 8131, 8141.
Francis, M. 1837.
Francis, M. McD. 6394.
Francisco, M.A. 6137.
Francisco, M.A. 6137.
Francki, R.I.B. 415, 4473, 9450.
Franco, A. D. 3038.
Franco, A. A. 4230.
Franco, A. A. 4230.
Franch, C. 6952, 7281.

Frank, J. 2789.
Frank, J. 3. 1512.
Frank, J. 3. 1512.
Frank, J. 4802.
Frank, J. 4803.
Frank, J. 4803.
Frank, J. 4804.
Frank, J Frisvad, J.C. 3873, 7269.
Friitg, B. 4038, 4080, 8098.
Friitsche, W. 7556.
Friitz, H. 6493.
Friitsche, W. 7556.
Frizzhe, R. 8586.
Fritzhe, R. 8586.
Frown, C. 5505.
Froehlich, D.A. 8310.
Frommel, C. 3685.
Froholm, L.O. 9966.
Frolov, V.N. 758.
Frolova, V.I. 780, 1647, 1656, 1678, 6234, 6236, 7160.
Fromageot, P. 4599.
Fronsch, M. 6810.
Frosheiser, F.I. 6862, 7750.
Frost, G.M. 3660.
Frost, J.A. 4277, 4280.
Frostell, B. 4445.
Frostell, G. 8081.
Frostell, G. 8081.
Fry, D.C. 9178.
Fry, J.C. 3562.
Fry, P.R. 6731.
Fry, W.E. 1407, 1408, 5819, 8539, 8621, 8622, 9381, 9382.
Fryday, A. 7997. 8593, 8621, 8622, Fryday, A. 7997. Frydman, B. 9206. Frydman, R.B. 9206. Fu, W.-Y. 823.

The control of the co Furukawa, K. 5298, 5299, 543 6377, 8429, 9994. Furukawa, T. 3645, 3647. Furumai, T. 6200, 6313. Furusaki, A. 4724. Furusawa, I. 325. Furuya, K. 6269. Furuya, K. 8455. Furuya, K. 8455.

Furuyama, S. 3286.

Garushkina, LA. 298. Garaci, E. 2485. Garagulya, A.D. 1645, 8895. Garanin, B.A. 6112. Garasko, S.I. 9692 Garau, J. 5230. Garavito, R.M. 6380. Garayrio, R.M. 6380. Garay Auban, E. 7914. Garay, E. 3558. Garbaye, J. 531, 6907, 8649. Garber, E.D. 2736. Garber, M.B. 1829, 2738, 4574. Garber, R.H. 1266, 2225.

Garbutt, I.T. 9883. Garces, E. 7397. Garcia Agudo, E. 8971. Garcia Buendia, A.J. 5305. Garcia Caballero, J. 4459. Fusser, C. 745.
Fuwa, H. 5615.
Fuxench-Chiesa, Z. 3382
Fyle, W.S. 4257.
Fyson, A. 3231.

Gaard, G. 3930.
Gabal, M.A. 6705.
Gabellin, N. 4564.
Gabellin, S. 4568.
Gaillardin, C. M. 398.
Gaillardin, C. M. 398.
Gaillardin, C. M. 398.
Gaillardin, C. M. 398.
Gallardin, D. 8815.
Gallardin, D. 8815.
Gallardin, D. 8815.
Gallardin, D. 8815.
Gallardin, O. A. 1487, 1492, 6109.
Gallardin, D. 8815.
Gallardin, D. 9812.
Gallindin, D. 315, 3038, 5789.
Gallindin, D. 4798.
G Gay, J.L. 6541. Gay, P.E. 1490. Gay, R.E. 1490. Gay, R. 2660, 4726, 4747. Gaya, H. 1795. Gazzo, G. 9032. Gbaja, I.S. 3088, 9397. Gbewonyo, K. 9985.

Geahchan, A. 7614. Geait, M. 3735. Geballe, G.T. 5053. Gebre-Egziabher, A. 220. Gecan, J.S. 225. Geckle, J.M. 7436. Geddes, D.A. 7210. Gedebou, M. 2418, 2525, 3389, 5153, 8980 Gedek, B. 4892. Geenen, J. 2209. Geeraerts, H.A.M. 8261, 9151. Geerts, J. 6247. Geersey, G.G. 8059. Gegele, F.V. 6183. Gehriger, G. 4827. Gehron, M.J. 4466. Gehron, M.J. 4466. Geiger, J.P. 5081. Geigert, J. 2840, 2841, 4659. Geilges, O. 4840. Gelifus, F. 5080. Gelderblom, H. 4491. Geldereich, E.E. 1713. Gellinas, P. 7117. Gellif, G. 4482. Geldreich, E.E. 1713.
Gellins, P. 7117.
Gellin, G. 4482
Genco, R.J. 8814.
Gendle, P. 6873. 7767.
Genlins, P. 7187.
Gellins, P. 788.
Genco, R.J. 8814.
Gendle, P. 6873. 7767.
Gendloff, E.H. 6881.
Gendreau, M. 2955.
Generalova, T.G. 1867.
Geng, S. 2968.
Gengeroris, C.A. 2925, 3840.
Gennaro, A.L. 9559.
Genory, N. 89, 90.
Genter, C.F. 6841.
Gentill, P. 1975.
Gentry, L.O. 7327.
Gentry, L.O. 7327.
Gentry, L.O. 7327.
Gentry, L.O. 7327.
Gentry, L.O. 7328.
George, B.A. 3289.
George, F.M. 9618.
George, G.M. 8944.
George, G.M. 8944.
George, G.M. 8945.
George, G.M. 3454.
Georgieva, P. 1240.
George, G.M. 3454.
Georgieva, P. 1240.
George, G.M. 3454.
Georgieva, M. 3454.
Georgieva, P. 1240.
Georgo, G.M. 1624.
Gerber, N.M. 8337.
Gerchakov, S.M. 1772.
Gerder, V.F. 873.
Gerchakov, S.M. 1772.
Gereria, J. 5236.
Germershausen, J. 7712.
Germida, J.J. 5000.
Gerna, G. 9853.
Germ M. 47 1985. Gerlach, J. 7498, 8214; Gerlach, E.H. 737, 2536; Germershausen, J. 7112; Germidd, J.J. 5090. Gerna, G. 9853; Gerne, M. 7. 9853; Gerno, S.D. 3416, 6158. Gerson, U. 2336. Gerson, U. 2336. Gerson, U. 2336. Gerson, U. 2336. Gerson, W. 2436; Gesche, E. 2653, 3433, 4412, 8880. Gervais, M. 4623. Gesche, E. 265, 3423, 4412, 8880. Gesche, E. 265, 3426. Gesche, E. 265, 2426. Gessler, C. 465, 2262. Gessler, C. 465, 2262. Geston, J.P. 8775. Getty, E.E. 2354. Getz, W.M. 3442. Getz, W.M. 3442. Gezelus, L. 7366. Geuther, R. 2808 Gezellus, L. 738. Ghabrial, S.A. 1754, 3067, 8541. Ghadge, G.D. 7335, 8313. Ghaffar, A. 1513. Ghai, J. 8678. Ghai, J. 8678. Ghanoum, M.A. 7959. Ghanoum, M.A. 7959. Gharpuray, M.M. 7540. Ghattas, A.G. 8749. Ghazi, A. 7137. Ghezzi, A. 7137. Ghezzi, M.C. 8816. Ghodeker, D.R. 7567. Ghoneim, A.T.M. 3376, 9743. Ghose, T.K. 9242, 9249. 11

Gill, K.S. 1159, 5708, 5726, 5817, 6305, Gill, R.S. 6897, Gillan, F.T. 5595, Gillan, F.T. 5595, Gillaspie, A.G.,Jr. 3009, 5001, Gille, Y. 9886, 2414, 7040, Gilleoland, H.E.,Jr. 632, 663, 2414, 7040, Gilleoland, P. 886, Gilles, A.M. 4636, Gilles, J. M. 4636, Gilles, Gilles, A.M. 4636.
Gilles, J. B460, 8462.
Gilles, J. B460, 8462.
Gilles, J. B460, 8462.
Gillespie, D. 7742.
Gillespie, D. 7742.
Gillespie, F.L. 1359.
Gillespie, F.L. 1359.
Gillespie, F.L. 1359.
Gillespie, F.L. 371.
Gillett, J.M. 5842.
Gillespie, T.R. 3871.
Gillette, J.M. 5842.
Gillette, J.M. 5842.
Gillette, J.M. 5843.
Gillette, J.M. 5843.
Gillette, J.M. 2874.
Gilpatrick, J.D. 1406, 4120, 5152.
Gilmour, A. 108.
Gilmour, C.M. 4237.
Gilpatrick, J.D. 1406, 4120, 5152.
Gimenes-Fernandes, N. 8626.
Gimenez Gimenez, G. 7914.
Ginalska, G. 5510.
Ginevskaya, V.A. 9684.
Gingery, R.E. 364, 1200.
Ginitallini, I.M. 8962.
Ginn, R.E. 721.
Ginzburg, T.S. 1612.
Ginzburg, V.P. 3266.
Gione, B. 2561, 6594.
Giola, L. 8831.
Giordano, A. 8816.
Giorl, P. 2478. 6875. Giordano, A. 8816. Giordano, A. 8816. Giori, P. 2478, 6875. Giovannetti, G. 4210. Giovannetti, M. 6975. Giovannetti, M. 6975.
Giovannetti, M. 6975.
Giovannetti, G. 2472.
Giovannetti, G. 2472.
Giovannetti, G. 2472.
Giovannetti, G. 2472.
Girardi, J.M. 5613.
Golebiowska, J. 1969.
Girardian, F. 5297.
Gioriaki, P. 2063.
Golekota, K.G. 5138.
Goldekota, K.G. 5138.
Golodo, B. I. 2354.
Gismondo, M.R. 4340, 8810, 9721. Gololobov, A.D. 7868.
Gasaelisson, H. 6282.
Golovina, T.O. 4893.

Goebel, H.J. 5212.
Goebel, H.J. 5212.
Goeddel, D.V. 8046.
Goel, S.H. 888.
Goel, A.K. 7711.
Goel, S.G. 4740, 7530.
Goering, R.V. 7155, 8738.
Goering, R.V. 7156, 8738.
Golowert, R. 2811.
Gogotov, I.N. 7299.
Golh, K.M. 564.
Gohn, A. 1851.
Goheen, D.J. 5075.
Gohel, D.I. 8451.
Golhe, D.J. 5075.
Golla, Y. 5869.
Gold, M.H. 6846.
Goldberg, A.L. 3679.
Goldberg, A.J. 3686.
Goldberg, D.P. 5484.
Goldberg, D.P. 5484.
Goldberg, D.P. 5484.
Goldberg, D. 4099.
Goldstein, B.M. 8852.
Goldstein, B.M. 8852.
Goldstein, J. 1999.
Goldstein, J. 1999.
Goldstein, J. 1999.
Goldstein, J. 1999.
Goldberg, J. 1999.
Goldbe

Author Index

Ghosh, A.K. 13.
Ghosh, B.B. 1997, 8195, 8491.
Ghosh, P. 4705, 8635, 9242.
Ghosh, S. 1810, 4891.
Glardin, S. 1922.
Glaidrin, E. 1922.
Glaidrin, E. 1922.
Glardin, E. 19

Gottwald, T.R. 397, 5736. Gough, K.H. 3043. Gough, R.H. 238. Gough, S.B. 3475. Gould, A.R. 9028. Gould, R.W. 5167. Gould, S.J. 6506. Gould, S.J. 6506. Gould, S.J. 7117, 9006. Gour, H.N. 4941. Gour, L. 2679. Gourtet, J.P. 6973. 6974. Gover, G.W. 2608. Governet, J.P. 6974. Gover, G.W. 2608.

Greenberg, E.P. 2052. Greenberg, H.B. 1072, 1709, 1710. Greenberg, Z. 3300. Greene, D.W. 591. Greenfield, P.F. 17515, 9087. Greenhalgh, F.C. 6804. Greenhalgh, G.N. 4181. Greenman, J. 7312. Greensheld, R.N. 1809. Greenwood, C. 4556. Greenwood, C. 4556. Greenwood, D. 2430, 2545, 9038, 9752. Greenwood, R.M. 7003. 9752. Graenwood, R. M. 7003. Greenwood, Y. 7243. Greer, G. G. 7589. Greer, G. G. 7589. Gregory, J. F., III 2717, 4781. Gregory, J. F., III 2717, 4781. Gregory, W. W. 9844. Grell, E. 5268. Grenock, M. 347.

Fross, M. 9814.

Fross, P. A 3451.

Fross, P. A 3451.

Fross, P. A 3451.

Fross, P. A 3451.

Fross, C. A 3451.

Gupta, M. L. 116.

Gupta, M. M. 5186.

Gupta, R. A 320.

Gupta, R. A

Jaudel, H. 3483.
Jauenther, E. C. 2591.
Jauenther, E. C. 2591.
Jauenther, E. C. 2591.
Jauenther, H. 7281.
Jauenther, H. 7389.
Jauertzen, M. 8388.
Jauerillot, L. 4650.
Jauertzen, M. 8391.

Haag, G.L. 9238. Haagensen, P. 7326. Haahtela, K. 4244, 8660, 9597. Haaker, H. 7420. Haas, C.N. 9810. Haas, J. 6948. Haas, R. 9035.

Haas, J. 6948.
Haas, R. 9035.
Habbermehl, G.G. 2944.
Habib, H.M. 7702.
Habibson, A. 4610.
Hackerott, H.L. 6747.
Hackett, H.L. 6747.
Hackett, J.J. 7432.
Hackman, B. 8972.
Hackett, T.J. 7432.
Hackman, B. 8972.
Haddar, V. 5587. 5820, 7265, 7768, 9481.
Hadds, O. 5170.
Haddad, N.A. 1128.
Haddiel, G. 561.
Haddiel, G. 631.
Haddley, G. 4201.
Hadeli, G. 831.
Haelliger, W. 1781.
Haesgighom, P. 1102.
Haelliger, W. 1781.
Haesgighom, P. 5154.
Haenseler, E. 4624.
Haentel, I. 3477.
Halelliner, J. 7781.
Halez, A. H. 299.
Halidi, B. 1237.
Halez, S. 4828.
Hagberg, C. E. 5216.
Hagoer, C. 7847, 81444.

Hallot, B. 1237.
Hallot, B. 1237.
Hallot, S. 2516.
Hagedorn, C. 7847, 8144.
Hagedorn, D. J. 347, 1136, 1387, 3319, 9336.
Hageman, J.H. 7416.
Hageman, J.H. 606.
Hageman, J.H. 606.
Hageman, J.H. 606.
Hageman, J. 785.
Hageman, J. 5015.
Hageman, A.E. 3015.
Hageman, A.E. 3015.
Hagier, W.M. 1066.
Hageman, J. 5245.
Hagier, W.M. 1086.
Hageman, J. 5456.
Hagier, W.M. 1086.
Hageman, J. 5456.
Hagier, W.M. 1086.
Hageman, J. 5456.
Hageman, J. 5456.
Hageman, J. 5456.
Hageman, J. 604.
Hannel, G.B. 5167.
Hallor, K. 159, 1476, 2335.
5599, 6997.
Hageler, C. 7473.

Harris, L. J. 2966

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1-71-46

1

Author Index Hautefort, B. 3384. Havelaar, A.H. 1717, 8070. Haverbeck, J. 8482. Haverbeck, J. 8482. Haverkamp, J. 4430. Havranek, M. 8885. Havranek, P. 2094, 2174. Haware, M.P. 4938. Hawes, M.C. 8552. Hawkes, T.R. 5523. Hawksy, P.M. 5196, 9739. Hawfox, P.M. 5196, 932. Hawfox, E. 8232. Hawthoxne, B.T. 9331. Hawrot, E. 8232. Hawthorne, B.T. 9331. Hay, J. 9690. Hay, M. 5389. Hay, M.J.M. 2716. Hayakawa, H. 8031. Hayakawa, S. 3798. Hayakawa, Y. 5542. Hayanawa, Y. 5542. Hayakawa, Y, 5542 Hayano, K, 4907 Hayasaka, T, 7035 Hayasaka, T, 7035 Hayashi, P, 3275, 6015 Hayashi, P, 3275, 6015 Hayashi, K, 115, 2579, 4417. Hayashi, M, 1652, 1674, 4415, 6204, 8886 Hayashi, T, 1564, 9046, 9177. Hayashida, K, 106, 150, 1897, 3669, 7386, 8024, 8031, 8305, 9244 Hayes, AJ, 2200.

Heinnbuis-Walther, J.M.C. 4455, 4456. Herridge, D.F. 2363, 2365. Heinnonen, J. 878. Heinnonen, J.K. 8000. Hernonen, J.K. 8000. Hernonen, J.K. 8000. Hernonen, O.P. 8079. Hernorch, M. 1842. Hennich, P. 4669. Herrikorth, P. 4669. Herrikorth, D. 3477. Heinnich, D. 3477. Heinnich, E. A. 5548. Hernitz, B. 4264. 4266. Hernitz, B. 4264. 4266. Hernitz, E. 5433. 9994. Hershellis, H. 5737. Heinz, D. J. 8859. Herzhellis, H. 5737. Heinz, D. J. 8859. Herzhellis, H. 5737. Heinz, E. 5433. 9994. Hershellis, H. 673. Herzhellis, H. 673. He Heinhuis-Walther, J.M. Heinonen, J. 878. Heinonen, J.K. 8000. Heinonen, O.P. 8079. Heinrich, M. 1842. Heinrich, P. 4669. Heinrich, S. 3290. Hearne, M. 5489.
Hearner, M. 5

Heinhuls-Walther, J.M.C. 4455, 4458. Herridge, D.F. 2363, 2365. Heinonen, J. 878. Herrington, M.E. 6791. Herrington, M.E. 6791. Herrington, M. 1842. Herringh, J.E. 7220. Herringh, J.E. 7220. Herringh, J.E. 4468.

Hirano, A. 4724.
Hirano, K. 4504.
Hirano, S. 958.
Hirano, H. 4301.
Hiratsuka, Y. 4152.
Hiratsuka, Y. 4152.
Hirayama, K. 7604.
Hiro, J. 6252.
Hiron, K. 6484.
Hironaga, K. 4391.
Hirose-Kumagai, A. 3412.
Hirose, T. 948.
Hirose, T. 949.
Hiros Hjorth, R. 1747. Hjortso, M.A. 3633. Hlavova, H. 3460, 3470. Ho, L.C.W. 2883. Ho, M. 7108. Ho, W.C. 3179, 5731. Hoare, R.J.T. 4462. Hoban, D.J. 9945. Hobbs, B.C. 5285. Hobbs, B.C. 5285. Hoare, R.J.T. 4482, Hoban, D.J. 9945, Hobbs, B.C. 5285, Hobbs, B.C. 5287, Hobbs, B.C Hofmann, P. 9191. Hofsteenge, J. 7400, 7402. Hogaboam, G.J. 1279. Hogan, C. 3750, 4727. Hogar, P. 7594. Hogarth, B.G. 5894. Hogarty, S.L. 4802.

Hinotozawa, K. 1977, 3354, 3432, Hogge, R.W. 6374, Hintermann, G. 4382, Hinton, M. 2411, 2617, 8742, Holnenberg, J.S. 598, Holton, R. 2854, Holtink, H.A. 2854, Holtink, H.A. 3122, 4040, Holtoberg, I.B. 5573, Hirank, M. 4448, Hirano, K. 3724, Hirano, K. 4724, Hirano, K. 4504, Hirank, H.A. 2854, Holdeman, L.V. 2845, Holtoberg, I.B. 5573, Holdeman, L.V. 2845, Holton, J.S. E. 4898, 7287, Holton, J.S. E. 4898, 7289, Holton, J.S. E. 4898, 7289, Holton, Hollois, M. 9788.
Holloway, Y. 1620, 5179.
Hollowell, D.C. 6034.
Hollowood, N.W. 7572.
Holm, S. 2698.
Hollowood, N.W. 7572.
Holm, S. 2698.
Holmes, D.S. 3510, 3553.
Holmes, B. S. 3510, 3553.
Holmes, M. 6004.
Holmes, H. M. 5722.
Holmes, M. 6004.
Holmes, H. M. 5722.
Holmes, H. M. 5899.
Hollodnik, E. 5147.
Holloid, E. 57147.
Holloid, E. 5147.
Holloid, E. 5147.
Holloid, J. 9252.
Holloid, E. 5147.
Holloid, J. 9252.
Holloid, E. 5147.
Holloid, J. 9256.
Hollot, D. M. 2005, 8426.
Hollot, J. 713.
Holt, H. A. 4867, 6113.
Holl, J. 713.
Holt, H. A. 4867, 6113.
Holt, J. 713.
Holt, H. A. 4867, 6113.
Holl, J. 7136.
Hollot, J. 5993.
Holzman, G. H. 1988.
Hollot, J. 7139.
Hollot, J. 5993.
Holzman, H. 2028.
Holzman, H. P. 4213.
Hollomes, J. F. 7390.
Holzman, H. P. 4213.
Holman, H. P. 4213.
Holman, J. T. 669.
Holzman, H. P. 4213.
Hold, H. 1729, 3797, 5672, 6813.
Hold, J. 7139.
Hold, J. 7146.
Hold, J. 7189.
Hold, H. 1199, 3797, 5672, 6813.
Hold, H. 1199, 3797, 5672, 6813.
Hold, H. 1789.
Hold, H. M. 8894.
Hold, H. 18894.
Hold, H. 1889 Horner, E.S. 3880. Hornez, J.-P. 3589. Hornick, S.B. 5981, 5983. Horodniceanu, T. 724. Horowitz, A. 4760, 6648.

orowitz, A.M. 3501. orowitz, H. 812. orsgood, R.K. 7797, 7798. orvath, J. 3082, 3083, 3085. orvath, Z. 6663.

Huisman, W. 6376, 6437. Hukuhara, T. 1763. Huli, L.A. 6874. Huli, R. 3897, 6299 Huli, R.R. 3820, 4804, 9274 Huli, W.E. 6696, 6700 onwath, J. 9663.

onwath, J. 9262.

osaka, K. 8222.

osshino, C. 3755.

osshino, C. 3755.

osshino, Y. 252.

ossain, M. 8196.

ossain, M. 8196.

ossain, M. 8196.

ossain, W. 4493.

Hulthers, D. 1565.

Hulthers, D. 1565.

Humphreys-Jones, P.M. 46

ossain, W. 5904.

Humphreys-Jones, P.M. 46

ossain, W. 5905.

Humphreys-Jones, P.M. 46

ossain, W. 1468

Humphreys-Jones, P.M. 46

ossain, W. 168

Humphreys-Jones, P.M. 46

ossain, W. 168

Humphreys-Jones, P.M. 46

ossain, W. 493.

Hung, R. 18290, 492.

Hulthers, D. 1565.

Humphreys-Jones, P.M. 46

ossain, W. 493.

Hung, R. 18290, 492.

Hulthers, D. 1565.

Humphreys-Jones, P.M. 46

ossain, W. 493.

Hung, R. 18290, 492.

Hulthers, D. 1860, 129.

Humphreys-Jones, P.M. 46

Hulth, K. 5514

Hulthers, D. 1565.

Humphreys-Jones, P.M. 46

Hung, R. 1820, 492.

Hunger, R.M. 1493, 1492.

Hunt, G. Hull, W.E. 6696, 6700 Hulme, M.A. 6614. Hult, K. 5514. Hultberg, H. 880, 5402. Hultmark, D. 1551. Hummel, I. 1665 Humpherson-Jones, F.M. 463, 508, 1229, 4042.
5 humphrey, A.E. 9056.
Humphreys-Jones, D.R. 2213.
Huncikova, S. 3834
Hung, K.S. 3086
Hung, L.-L. 5900.
Hung, T.V. 4493.
Hungter, R.M. 1403, 1529.
Hungter, R.M. 1403, 1529.
Hungter, R.M. 1403, 1529.
Hungter, R.M. 1403, 1529.
Hunkler, D. 5765.
Hunnius, W. 8536.
Hunnit, C. von 6014.
Hunst, P.L. 4929.
Hunoistein, C. von 6014.
Hunst, P.L. 4929.
Hunt, G. S005.
Hunt, G.H. 2683.
Hunt, J. 8131.
Hunt, J.M. 8131.
Hunt, J.M. 8131.
Hunt, J.S. 4968.
Hunt, R.S. 1457. 4146.
Hunter, A.C. 6270.
Hunter, G. 9653.
Hunter, G. 9653.
Hunter, J.R. 4497.
Hunter, J.R. 1365.
Hunter, J.R. 1368.
Hunter, J.R. 8329.
Hunter, J.R. 8348.
Hunterss, C. 8834.
Hunterss, C. 8834. Huntres, C. 8834.
Huovinen, P. 9654.
Huo, G. 4875.
Hup, G. 4875.
Hupp G. 4875.
Hupp G. 4875.
Hup G. 4875.
Hurbert, R. E. 7307.
Hurbert, R. S. 968.
Hursel, J. J. 8802.
Hursel, T. R. 2488.
Hursel, T. R. 2488.
Hursel, T. R. 2488.
Hursel, T. R. 2488.
Hursel, T. R. 2580.
Hursel, B. 400.
Hussain, A. 116.
Hussel, R. 400.
Hussain, R. H. 1068.
Hussel, H. 6398.
Hussel, R. A. 1588.
Husselm, M. D. 8309.
Husseld, H. 927, 6337.
Hutchinson, R. L. 9395.
Hutchinson, G. L. 6995.
Hutchinson, G. L. 6995.
Hutchinson, G. L. 6995.
Hutchinson, G. L. 6995.
Hutchinson, R. J. 3183.
Hutchinson, R. J. 3183.
Hutchinson, R. J. 38378.
Hutchinson, R. A. 4028.
Huynh, G. M. 4934.
Huynh, G. M. 4934.
Huynh, G. M. 4934.
Huynh, G. M. 4935.
Huvgn, B. M. 4824.
Huynh, G. M. 4834.
Huynh, G. M. 4834.
Huynh, G. M. 4835.
Huynh, G. M. 4836.
Huynh, J. M. 4936.
Hugher, J. M. 49

Igarashi, Y. 123, 6619. Iglesias, C.F. 9184. Iglewski, B.H. 2429. Ignoffo, C M. 1010, 4713, 4722, 7482. Ikada, A. 2763.
Ikada, D. 1655, 3717, 4416, 6218, 7055, 9762.
Ikada, D. 1655, 3717, 4416, 9752.
Ikada, H. 618.
Ikada, P. 6773.
Ikada, P. 6773.
Ikada, P. 6773.
Ikada, P. 6773.
Ikada, P. 6373.
Ikada, Y. 3385, 6218, 6318.
Ikada, Y. 3385, 6218, 6341.
Ikada, S. 3423, 6318, 6318.
Ikada, Y. 3385, 6218, 6344.
Ikada, P. 63773.
Ikada, P. 6386, 6318.
Ikada, Y. 3385, 6218, 6318.
Ikada, P. 6386.
Ilijina, I. V. 1864.
Illians, P. M. 4893.
Ilistrup, D.M. 9012.
Illians, A. 8493.
Illians, A. 18629.
Illians, A. 18629.
Illians, A. 8493.
Illians, A. 18629.
Illians, A. 8493.
Illians, A. 18629.
Illians, A. 18640.
Illians, A. 1 Inokuchi, H. 6192. Inoue, A. 6169. Inoue, G. 5615. Inoue, H. 1162, 4987, 5542 Inoue, K. 2818, 4707, 6587, 7079, 8274, 8346.

Inoue, M. 734, 3275, 3304, 3305, 4584, 6015, 6166, 7086, 17000, 8. 4385, 5190, 7150, 7151, 1751,

Author Index

Junicipal I. 1461, 4199, 1902

Junicipal I. 1509

Junici

Karmanova, G.I. 7876, Karminski-Zamola, G. 6314, Karminski, W. 9490. Karn, J.F. 8548 Karnaushkima, A.I. 6230 Karnetova, J. 8034 Karnep, G. 3808, 3825, Karns, T.K. B. 8683, Karolcek, J. 300, 3891, Karpinski, T. 2438, Karpow, X.A. 6321, Karpova, M.A. 18, Karpow, X.A. 6002 Karst, G. 6398. Karube, I. 1804, 1976, 3584, 5430, 9055 Caur. P. 2855.

Kauri. J. 751.

Sauri. T. 524, 4142, 7779.

Kausar, T. 8022.

Kausar, T. 8022.

Kausshi, C. D. 5769.

Kausshi, C. D. 5769.

Kausshi, C. D. 5769.

Kawabata, S. 2567.

Kawabata, S. 2567.

Kawaguchi, H. 5257, 8502, 8888,

Kawaguchi, K. 6313

Kawaguchi, K. 8456.

Kawaguchi, K. 8456.

Kawaguchi, K. 8456.

Kawahata, S, 8194. Kawai, H, 5542, 6575. Kawai, K, 949, 1854, 3697, 8051, 8786. Kawai, K, 918, 5493. Kawai, K, 918, 5493. Kawamoto, I, 1668. Kawamoto, K, 6587. Kawamura, F, 7178. Kawamura, F, 7178. Kawamura, T, 6448, 6450, 7589. Kawamura, T, 6448, 6450, 7589. Kawamura, T, 6448, 6450, 7589. Kawamura, T, 6468. Karpov, V.L. 6231.
Karpova, M.A. 18.
Karpova, S.A. 6002
Karsto, G. 6398.
Karucha, S. 1804, 1976, 3584, 5430, 9055
Karunakara Babu, M. 493.
Kasa, J. 7322.
Kasa, M. 1671.
Kasa, J. 7322.
Kasai, N. 964, 2735, 3692.
Kasain, N. 701.
Kashinyan, Y. 2771, 8166.
Kashinyan, Y. 4063.
Kashinyan, Y. 4070.
Kashinyan, Y. 4063.
Kashinyan, Y. 4070.
Kashinyan, Y. 4063.
Kashinyan, Y. 4064.
Kashinyan

Kenealy, W.R. 3260 Kenerley, C.M. 5867. Kenne, L. 9196 Kennedy, B.W. 3251. Kennedy, C.W. 7499. Kennedy, C.W. 7499. Kennedy, E.J. 9918. Kennedy, E.J. 9918. Kennedy, E.J. J. 241. Kennedy, J.E., Jr. 241. Kennedy, J.E., Jr. 244. Kennedy, J.F. 2765, 8388. Kennedy, K.J. 4435, 8716, 8929. 9807. Kenealy, W.R. 3260, Kennedy, L.M. 5867, Kenne, L. 9196
Kennedy, D.W. 1415, 4533, Kennedy, E.J. 9818, Kennedy, E.J. 9818, Kennedy, E.J. 9818, Kennedy, E.J. 9818, Kennedy, E.J. 17, 244, Kennedy, J.E.J. 244, Kennedy, J.M. 4518, 8718, 8929, 8907, Kenneth, R. 9335, Kenney, A.C. 972, 4690, Kenney, A.E. 9932, Kenney, B.G. 9932, Kenney, B.G. 9932, Kenney, A.C. 972, 4690, Kenney, A.C. 972, Khakirnov, M.M. 1787.
Khaiafalia, A.K. 9703.
Khaiafallah, M.A. 5892.
Khaii, J.A. 408.
Khaii, A. 408.
Khaii, A. 408.
Khaii, A. 408.
Khaii, A. 408.
Khaii, S. 3705.
Khaii, M. 2815.
Khaii, M. A. 3952.
Khaii, M.R. 1874.
Khaii, M. 1. 83976.
Khaii, M. J. 2835, 5356.
Khaii, M. Y. 3401, 3444.
Khaii, T. N. 1173, 1181.
Khaii, M. N. 173, 1181.
Khaii, W.N. 647.
Khaii, T. A. 7399.
Khaianshvili, D. 8285.
Khandikar, P.S. 7445.
Khandijain, E.W. 3306.
Khanni, S. 7319.
Khansari, N. 5434.
Khandijain, E.W. 3306.
Khanni, R. 1936.
Khandijain, E.W. 3306.
Khanni, R. 1936.
Khandijain, E.W. 3206.
Khanni, R. 1936.
Khantionen, E.I. 9758.
Khanumiuan, T.A. 6713.
Kharaiian, H. 6240.
Kharbuil, P.P. 3162.
Kharei, M.N. 4963.
Kharitonenkov, I.G. 3266.
Khatenever, M.L. 3279.
Khatijah, M. 5594.
Khazenson, S.L. 5405.
Khehria, A.S. 2131.
Khoed, G.P. 7644.
Khokhlov, A.S. 9782.
Khokhlova, I.G. 2346.
Khokmenko, Q.W. 5166.
Khudolbergenov, R. 249.
Khurana, A.L. 5966, 9606.
Khurana, C.M. 6111.

Khush, G.S. 9364, 9459, Kiatpapan, S. 3795, Kibardina, N.N. 7876, Kickuth, R. 5320 Kida, M. 3700. Kinoshita, K. 1925, 3783, 5525, Kinoshita, S. 1925, 3783, 5525, Kinoshita, T. 9766, Kinoshita, T. 9766, Kinoshita, K. Jun 1879, Kinouchi, T. 2024, 8267, Kinoshita, J. 9930, Kinsella, J.E., 9119, Kinsman, D.M. 5512, Kintaka, K. 2461, Kinsman, D.M. 5512, Kintaka, K. 2461, Kintner, L.D. 7884, Kinzel, J.J. 34, Kinzel, V. 307, 1108, Kinzer, H.G. 5865, Kinzel, V. 307, 1108, Kinzer, H.G. 5865, Kiraly, Z. 411, 3948, 4107, 4108, Kiraly, Z. 411, 3948, 4107, 4108, Kirby, B.D. 725, Kirby, J.P. 5244.

Kirby, R. 5256
Kirby, S.M. 6122
Kirchnoff, J. 6883
Kirchman, D. 1793
Kirchman, D. 1793
Kirchman, D. 1793
Kirlenbog, L.V. 3943.
Kirlenbog, L.V. 3943.
Kirlenbog, L.V. 3943.
Kirlenbog, S. 1891
Kirlenbog, L.V. 3943.
Kirlenbog, L.V. 3943.
Kirlenbog, L.V. 3944.
Kirlenbog, L.V. 3971
Kirle Kiss, A. 78.

Kiss, A. 78.

Kissler, J.J. 5987.

Kistner, A. 9891.

Kisumi, M. 4580.

Kit, V.J. 9692.

Kita, V. 1862.

Kitagawa, M. 701.

Kitahara, M. 1656.

Kitahara, M. 7490.

Kitahira, E.W. 2098.

Kitam, C.E. 2444.

Kitamikado, M. 6449, 6451.

Kitamikado, M. 6449, 6451. Kitamura, H. 4417 Kitamura, K. 935. Kitamura, K. 935.
Kitano, K. 1667.
Kitaura, K. 3334.
Kitaura, S. 4260.
Kitaura, S. 4260.
Kitaura, S. 921.
Kitazume, T. 9221.
Kitacume, T. 9221.
Kitachen, B.J. 9819.
Kitachens, R.L. 8221.
Kito, M. 6625.
Kittisak, K. 6813.
Kittle, D.R. 5060.
Kithar, E. 4351, 5240, 7146.
Kitzus, M.D. 3384.
Kivman, G.Ya. 6058. Kivman, G. Ya. 6058.
Kiyosaki, T. 9203.
Kiyosaki, T. 9203.
Kiyosaki, S. 2971.
Kiyoshima, K. 9712.
Kiyoshima, K. 9712.
Kiyoshima, K. 8712.
Kiyotani, K. 8260.
Kiyoto, S. 7451.
Kizuki, K. 42.
Kjellavold, V. A. 2707.
Kjoeller, A. 5889.
Kia, J.M. 6360.
Klaenharmer, T.R. 7172.
Kiages, D. 3256.
Kiages, U. 7308, 7370.
Kilages, D. 3256.
Kiages, U. 7308, 7370.
Kilagos, D. 3256.
Kiages, U. 7308, 7370.
Kilagos, D. 3256.
Kiages, U. 7308, 7370.
Kilagos, D. 3256.
Kiagyman, D.L. 3310.
Kilashiman, D.L. 3310.
Kilashiman, M.E. 5392.
Kile, H.E. 9104.
Kileoperman, M.E. 5392.
Kile, H.E. 9104.
Kileiman, M.B. 9013.
Kileiman, M.B. 9013.
Kileim, H.P. 8216.
Kileim, H.P. 8216.
Kileim, H.P. 8216.
Kileim, H.P. 8216.
Kileim, H.R. 1888.
Kilein, J. 7217.

Klein, H.W. 1888. Klein, J. 7217. Klein, J. 7217. Klein, J.O. 6163. Klein, R.E. 1239, 8581. Klein, R.S. 5213. Klein, T.W. 9937. Kleine, R. 2761, 3665, 4683. Kleineke-Borchers, A. 1276, 1281. Kleiner, G.I. 6077.

Kleiner, G.I. 6077. Kleinhempel, H. 8586. Kleinig, H. 4568. Kleinskauf, H. 36, 2424, 6206, 6494. Kleinsman, P.J. 7880. Kleinedttsson, L. 617. Klement, Z. 3131, 3133, 5816. Kleinperer, R.M.M. 657. Klencke, S. 1984. Kleppe, K. 3620.

Klerk, R.A. 2835.
Klesov, A.A. 99.
Klibanov, A. M. 7337, 8299.
Klibanov, M. 9169.
Klibanov, M. 9169.
Klibanov, M. 9169.
Kliperman, A. 5480.
Klimersova, M. 4347.
Klimmy, M. S. 266.
Klimmy, M. S. 266.
Klimmy, M. S. 266.
Klimmy, M. E. 7970, 8855.
Kline, D. 270.
Kline, P. 8712.
Klinger, I. 2034.
Klinger, I. 2034.
Klingmeller, W. 5113.
Klinesre, A.A. 9110.
Klipstein, F.A. 291, 2086.
Klisenewicz, J.M. 1295, 9427.
Klisenewicz, J. 9436.
Kloepper, J.W. 3026, 3061.
Kloepper, J Kypastry, A.S. 2017. 2077.

Kohn, F. 1918.

Ko

8150. Kocon, J. 5609. Kocor, M. 112, 977. Kodaira, R. 5537. Kodama, O. 5590, 6849. Kodama, T. 123, 6573, 6619. Kodama, Y. 4402.

Koehler, J. 2007. Koehler, M. 2898. Koehler, W. 8214. Koek, P.C. 4882. Koehler, W. 8214.
Koehler, W. 8214.
Koehler, W. 500, 1414, 2279.
4812.
Koehler, W. 500, 1414, 2279.
Koenig, R. 390, 1757, 3071.
4037, 6792, 7707, 8588.
Koenig, S. 2037.
Koenig, W. 1732.
Koenig, W. 1732.
Koene, A. 3665.
Koemer, D. 3701, 5384.
Koers, D. A. 5302.
Koert, J. M. 2566.
Koester, M. 923.
Koevics, G. 3920.
Koevics, G. 3920.
Koevics, G. 7967.
Koga, M. 7967.
Kohlyama, M. 912.
Kohl, D. H. 1511, 3210.
Kohl, W. 8877.
Kohler, F. 5015.
Kohl, W. 8877.
Kohler, F. 5056.
Kohn, L. D. 4641.
Kohn, H. 9185.
Kohn, L. D. 4641.
Kohn, M. 630.
Kolik, W. 8977.
Kohler, F. 5015.
Kohl, W. 8877.
Kohler, F. 5015.
Kohn, L. D. 4641.
Kohn, H. 9185.
Kohn, M. 630.
Kolik, G. 5615.
Koikis, P. 1080.
Koike, G. 5615.
Koike, J. 7181.
Koike, J. 7181.

Kondo, N. 4932 Kondo, S. 1655, 2809, 3717, 4416, 4423, 6152, 6218, 6220, 6221, 7055, 7169, 9762. Kondo, T. 7177. Kondo, Y. 6136 Kondratyeva, T.P. 2395, Konecny, J. 9159, Konecny, J. 9159, Kong, H.-L. 8421, Konicki, J. 8134, Konickova-Radochova, M. 8134. Konigsberg, W.H. 6562. Konings, W.N. 966.

Konishi, M. 8888, 8889. Konishi, M. 8888, 8889. Konishi, T. 2739. Konno, K. 4907, 5211, 7450. Konno, T. 7300. Kono, M. 7035. Kono, M. 7035.
Kono, T. 8406.
Kono, Y. 6849.
Konopyuk, L.A. 9554.
Konopka, E.A. 6129.
Konovalova, A.S. 4216.
Konstantinova, N.V. 1676, 5543.
Konstantinova, R. 7997.
Kontareva, K.Yu. 726.
Kontikamee, W. 683.
Konuma, H. 203, 9720.
Konyukhov, V.F. 7237.
Koo, F.C.W. 1105, 8519.
Kool, H.J. 1714.
Kooner, B.S. 5806.

Kool, H.J. 1714, Kooner, B.S. 5806, Koopman, B. 8064, Koopman, J.P. 3546, Koopman, J.S. 1709, Kopec, D.M. 4079, Kopec, D.M. 4079, Kopec, D.M. 4078, Kopel, J.A. 6738, Kopellovitch, E. 5773, 8590, Kopf, H.B. 3493, Kopp, M. 4038, Kopple, M. 4038, Kopple, M. 4038, Kopple, M. 4038, Kopperschlaeger, G. 1875, 6432. Kopteva, A.E. 1055. Kopteva, Zh.P. 151, 1055, 7846,

Kotze, J.M. 9324, 9568. Kough, J. 6965. Koula, V. 1388. Kouno, K. 1649, 7086. Koupal, L.P. 4409, 4426. Kourai, H. 1587. Kourany, M. 2678. Kouri, Y. 3382.

Kresel, P.A. 6002.
Kressdorf, B. 727.
Kressdorf, B. 727.
Kresstyanova, I.N. 5521.
Kresstyanova, I.N. 5521.
Kresstyanova, I.N. 5521.
Kresstyanova, I.N. 5521.
Krestovich, W.L. 8199
Kretschmer, P.J. 1830.
Kretschmer, R.R. 5392.
Kretschmer, R.R. 5392.
Kretschmer, R.R. 5392.
Kretschmer, S. 3701.
Kreutz, W. 6392.
Kretsch, W. 6394.
Kreutz, W. 6392.
Krichevsky, M.I. 843.
Kreutz, W. 6394.
Krich, J. 1246, 1411, 3979,
4002, 5758. 6948, 7648, 5380.
Kritov, A.V. 2118.
Kristansen, R. 2841, 6947, 6949.
Kristansen, R. 786.
Kristansen, R. 7875.
Kroeger, A. 7772.
Kroogista, D.J. 1566, 5157, 7920.
Krogulska, B. 5319.
Kroha, M. 4713, 7482.

Kousoulas, K.G. 7943.
Kovacoikova, E. 5681, 7653.
Kovacs, G. 5826.
Kovacs, M. 2126.
Koval, E. 2284, 7627.
Kovalenko, A.D. 1991, 9229.
Kovalenko, A.G. 2170.
Kovalenko, A.G. 2170.
Kovalenko, A.G. 2170.
Kovalenko, A.M. 623.
Kovalev, V.N. 684, 1639.
Kovaru, F. 2929
Kovaru, F. 2929
Kovats, Z. 68943
Kovats, Z. 68943
Kovalov, B.G. 3944
Kowalski, M. 864
Kowalca, Kovakova, A. 7322.
Kowalid, R. 2804
Kowalski, M. 864
Kowa

Kubot, Y. 325. Kubota, H. 4448, 8965. Kubota, K. 774. Kuboyac, M. 5564. Kuboyama, M. 175. Kuc, J. 465, 1248, 2262, 3120. Kuc, J. A. 3089. Kuc, J.A. 3089, Ed. 3081, Kucera, J. 3671, Kucers, A. 5172, Kucey, R.M.N. 553, 615, 3186. Kucheravicz, F. 5100. Kucsera, G. 6329, 6330. Kudela, V. 3010, 5681, Kudelski, A. 6210. Kudinova, M.K. 779. Kudler, I.J. 2831. Kudes, U. 7263. Kuees, U. 7263. Kuees, U. 7263. Kuehn, H. 5166. Kuehne, Ch. 3566. Kuehne, Ch. 3560. Kuehne, T. 3543. Kuemmerle, H.P. 10001.

Kuehne, R.W. 9841.
Kuehne, T. 3543.
Kuemmerle, H.P. 10001.
Kuemmerlin, R. 3374.
Kuenzel, W. 812.
Kug, J. 444.
Kugler, M. 7780.
Kuhn, C. R. G. 543, 2313, 2315, 86
Kuhn, A. 7415.
Kuhn, C.W. 9827.
Kuiper, H.J. 2285.
Kuhn, C.W. 9827.
Kuiper, H.J. 2285.
Kukko, E. 18000.
Kukkin, Y.V. 8120.
Kukkin, E. 18000.
Kukunzzinska, M.A. 6411, 6415.
Kula, M.-R. 6337, 6445, 7401.
Kulaev, I.S. 45, 7267, 8281.
Kulakovskaya, T.V. 45.
Kulakovskaya, T.V. 45.
Kulakovskaya, T.V. 45.
Kulakovskaya, T.V. 45.
Kulakovskaya, T.V. 286.
Kulicka, J. 9490.
Kulicka, J. 9490.
Kulicka, J. 9490.
Kulik, M.M. 1143.
Kulinska, D. 9584.
Kulis, Y. U.Y. 7342.
Kulkarni, R. 6163.
Kullakovska, M. 1438.
Kulinska, D. 9584.
Kulis, Y. W. M. 7368.
Kulis, Y. W. M. 7368.
Kulis, Y. W. M. 5852.
Kulprecha, S. 1825.
Kulshrestha, R. C. 3845.
Kulshrestha, R. C. 3845.
Kulshrestha, R. C. 3845.

Kulprecha, S. 1825. Kulshreshtha, R.C. 3845. Kulshrestha, P. 9412. Kulsky, L.A. 2462. Kulyaeva, V.V. 779. Kumagai, H. 944, 1900. 1915, 651: Kumagi, H. 6511. Kumakura, M. 6499, 7262, 9064, 9876, 9991. Kumano, K. 735. Kumano, N. 7450. Kumara Rao, J.V.D.K. 7821. Kumar, A. 668.

Kumar, A. 668. Kumar, A.A. 2801. Kumar, I. 5811. Kumar, K.A. 5807.

umar, N.S. 3315,
umar, R. 3198,
umar, S. 688, 2255, 7711,
umar, S. N.S. 8568,
umar, V. S. 8568,
umar, V. 281,
umar, V. 281,
umar, V. 281,
umar, V. 281,
umar, V. 3919,
umazawi, T. 2574,
umazawi, Z. 701,
umayi, S. 701,
undu, P. N. 608,
undu, P. S. 5965,
undu, S. 9249,
umrimoto, R. K. 5731,
uninsada, T. 6340,
uninsada, T. 6340,
uninsada, T. 6340,
unitsawi, N. 1115,
uninsada, T. 6340,
unitsawi, S. 1584,
unitsawi, S. 1584,
unitsawi, R. S. 1584,
unitsawi, N. 1683,
unine, H. 701,
uno, M. 1683,
unoh, H. 3947, umar, N.S. 3315. unitskaya, L. S. 1584.
unnkee, R. E. 4743.
unn, H. 701.
unn, M. 1683.
unn, H. 3947.
unn, H. 3947.
unn, H. 3947.
unntze, H. 5986.
unnz, B. 3909, 3814.
unnze, C. 1708, 1716.
unze, C. 1860.
un, W. N. 5477, 7301.
unze, C. 1860.
un, W. N. 5477, 7301.
uppes, U. 6254.
uppers, J. 6254.
u urobane, I. 8337.
uroda, A. 9794.
uroda, Y. 921.
uroda, Y. 921.
uroda, Y. 921.
uroda, Y. 921.
uroda, M. 3526.
urosawi, F. 5057.
urosawi, F. 5057.
urotsu, T. 93.
urotsu, T. 93.
urotsu, F. 957.
urotsu, F. 970.
urotsu, F. 970 utsuki, H. 2001. utsuzawa-Nakagomi, T. 7300. utuzova, R.S. 588. utzner, H.J. 5580, 6243, 8450.

Kuu, W.Y. 9008. Laiko, A.V. 5543. Kuuliala, O. 7607. Laine, A.F. 5949. Kuwahara, M. 3689, 6457. Laing, J.E. 6596. Kuwahara, S. 3755, 5902. Lajtha, A. 7551. Kuwano, H. 3435, 7552, 8872, 9766 Laktionov, G.A. 9623. Kuwata, T. 3350. Lail Thakora, B.B. 406

Kulu W.Y. 9008
Kuluwhana M. 3699, 6457
Kuluwhana M. 36 Larsson, L. 4496, 5292, 6326, 7638 Leberman, R. 3641.
Larsson, P. 7893.
Larsson, P. 93.
Larsson, P. 94.
Larse, M. 4496.
Larleu, T. A. 22, 9581
Lash, P. R. 7126.
Lashikov, G.I. 6179.
Laskin, A.I. 4761, 5146, 6474,
7381, 7460, 7462.
Lassegues, M. 6049.
Lasswell, W.L.,Jr. 7561
Last, F. 75857.
Last, T. 5857.
Lastlovica, A.J. 5423.
Leberman, R. 3641.
Lebioda, L. 2791.
LeBlanc, B. 3322, 78
Lechic, G.M. 1288.
Lecler, H. 559, 160.
Ledesma, O. 4721.
Ledgard, S. F. 3240.
Leduc, E. 1940.
Lastlovica, A.J. 5423.
Lebioda, L. 2791.
LeBianc, B. 3322, 78
Lechic, G. W. 1288.
Leduc, E. 1940.
Letural M. 1288.
Leduc, E. 1940.
Letural M. 1288.
Leduc, E. 1940.
Letural M. 1288.
Letural M. 1288. 8 Leberman, R. 3641.
Lebioda, L. 2791
LeBlanc, B. 3322 7977, 7979.
LeChevallier, M.W. 3569, 3587, 6262
Lechi, G.M. 1288
Lechener, U. 2898.
Lechener, U. 2898.
Lechener, U. 2898.
Lechener, B. 599, 1606, 3600.
Lecomite, J. 1740.
Leddord, R.A. 239, 266.
Ledgard, S.F. 3240.
Leddord, R.A. 239, 266.
Ledgard, S.F. 3240.
Leddord, R.A. 239, 266.
Ledgard, S.F. 3240.
Ledduc, E. 1940.
Leduc, E. 1940.
LeDuy, A. 2816.
Leduc, E. 1940.
LeDuy, A. 625.
Lee, B. 72.
Lee, B. K. 2580, 8908.
Lee, B. S. 2147
Lee, D. D. 9238.
Lee, E. C. 7118.
Lee, E. T. 3770.
Lee, F.N. 4953, 6766.
Lee, H. M. 7164.
Lee, I. 9937.
Lee, H. 9831, 1943.
Lee, J. J. G. 6165.
Lee, J.H. 6381, 9937.

Author Index

Leovert, M.A. 3012

Long, W.J., Jr. 803
Longauerova, 385.
Longenecker, E. 6020.
Longin, R. 18.
Lopez-Clin, C. 114
Lope

Luebbert, A. 9971. Luechtefeld, N.W. 5169, 9977. Luedders, P. 389, 3027, 4974, 856 Luedders, V.D. 6998 Luedertz, O. 5536, 6567. Lueng, K.-L. 6632.

Macis promoti. A. F. 2602.

Mack D. 1752.

Mack D.

Mariat, F. 1782.
Marien, G.J.R. 3409.
Marier, R.L. 5199.
Marinat, J. 5570, 7423
Marin-Sanchez, J.P. 1192
Marin, G. 5516.
Marin, G. 1395.
Maring, C.J. 6185.
Maring, C.J. 6185.
Marino, A. A. 3371.
Marinota, R. 304, 7034.
Marinotti, F. 1511.
Marinota, P. R. 2291
Mariscal Larrobia, A. 4278
Maria, E. 6683. Mariotti, F. 1511.
Mariotti, F. 1511.
Mariotti, P. R. 2291
Mariscal Larrubia, A. 4278
Marjai, E. 6663.
Markelova, A.M. 6105.
Markelova, L.S. 7148.
Markham, P.G. 3046.
Markham, P.G. 3046.
Markham, T. 5206, 5207.
Markovic, O. 8251, 9183.
Marks, G.C. 8653, 8654.
Marks, M.I. 727, 5187, 7981.
Marks, G.C. 8653, 8654.
Marks, P.L. 4171.
Markwell, J.P. 6427.
Marlatt, R.B. 9376.
Marling-Cason, M. 1603.
Marmet, D. 7434.
Marnochi, F. 6470.
Maross, B.H. 5783.
Maroto Vela, M.G. 4212, 5898.
Maronotk, D.M. 69871, 9541.
Maross, B.H. 5783.
Maroto Vela, M.C. 4278.
Mariot, M.S. 7936.
Marples, R.R. 3292, 8073.
Mariot, M.S. 7938.
Maronothi, A. 1511.
Marrs, R.H. 6843.
Marriott, M.S. 7938.
Maronothi, A. 1511.
Marrs, R.H. 6843.
Marsh, L.M. 836.
Marsh, P.B. 1325. 5579, 6360.
Marsh, P.B. 1325. 5579, 6360.
Marsh, P.B. 1625. 5579, 6360.
Marsh, P.B. 1625. 5579, 6360.
Marsh, P.B. 1625. 5579, 6360.
Marsh, P.R. 5013.
Marshall, R.R. 2814, 7587.
Marshall, R.R. 2914, 7587.
Marshall, M.M. 2914, 7587.
Marshall, R.M. 2914, 7587.
Marshall, M.M. 2914, 7587.
Marshall, R.M. 2914, 7587.
Marshall, R.P. 3076.
Marshall, P. 3705.
Marshall, P. 3705.
Marshall, P. 315, 4118, 4027.
Marshall, P. 315, 4118, 4027. Marte, M. 9400.
Martel, A. 8271.
Martel, P. 8705.
Martelii, G.P. 315, 4018, 4027,
4035, 5780.
Martelii, P. 5782.
Martens, D.W. 6857.
Martens, L. 4843.
Martens, L. 4843.
Martens, A. 755, 2875.
Martensen, A.N. 1171, 6860.
Marth, E.H. 260, 281, 282, 283,
285, 659, 1104, 2037, 4856. Mardensen, A.N. 117, toeuu Marth, E.H. 260, 281, 282, 285, 659, 1104, 2037, 4856, 6505, 520.
Marthaler, T.M. 6283.
Marthaler, T.M. 6283.
Marthaler, T.M. 6283.
Martin, A.H. 8476.
Martin, B.M. 27.
Martin, C.T. 9148.
Martin, C.T. 9148.
Martin, C.T. 9148.
Martin, G.P. 0283.
Martin, G. 6083.
Martin, G. 6083.
Martin, G. 6083.
Martin, G. 6083.
Martin, G. 7639.
Martin, J.M. 4058, 7747.
Martin, J.P. 8002, 8032.
Martin, J.M. 4058, 7747.
Martin, J.P. 189, 1476, 5599.
Martin, J.M. 5747.
Martin, J.P. 189, 1476, 5599.
Martin, M.F. 189, 1476, 5599.
Martin, M.F. 189, 1476, 5599.
Martin, N.E. 573, 8997.
Martin, N.E. 5862.
Martin, N.E. 573, 8997.
Martin, N.E. 7875.
Martin, N.E. 5862.
Martin, N.E. 5863.
Martin, N.E. 5863.
Martin, N.E. 5863.
Martin, N.E. 5864.
Martin, N.E. 3693.
Martin, S.B. Jr. 5701.
Martin, S.B. Jr. 5701.
Martin, S.B. Jr. 5701.
Martin, N.J. 6893.
Martin, W.R. 3693.
Martin, W.R. 3693.
Martin, W.R. 1, 7647.
Martin, W.R. 1, 7644.
Martinelli, E. 2815.
Martin, W.R. 1944.
Martinelli, E. 2815.
Martin, W.R. 19944.
Martinelli, E. 2855. 8023, 8890. Martinevsky, I.D. 6174.

Martinevsky, I.L. 1787.
Martinez Garcia, J.P. 7914.
Martinez Germes, P. 7914.
Martinez-Germes, P. 7914.
Martinez-Gorgalez, J.M.S. 3125.
Martinez-Roossi, N.M. S. 3125.
Martinez-Rossi, N.M. 5151.
Martinez-C. C. G. 2393.
Martinez, C. G. 2393.
Martinez, E.M. 5029.
Martinez, J. 5517.
Martinez, J. L. 6235.
Martinez, J. B. 6235.
Martinez, J.P. 3558.
Martinez, J.P. 3558.
Martinez, J.P. 3558.
Martinez, J.P. 3658. Martinez, J.P. 3558. Martinezbrocal, A. 9976. Martini, N. 9732. Martinot, M. 8496. Martinova, R.V. 2095. Martins, M.J.R. 6689. Martley, F.G. 3571, 8460, 8461, 8462. 8462. Marton, K. 7051. Martouret, D. 8353. Martucci, E.T. 4323. Martyn, R.D. 4010, 5774. Martz, R.F. 5382. Marucci, P.E. 6831. Martz, R.F. 5382.
Marucai, P.E. 6831.
Marucai, P.E. 6831.
Marumoto, T. 2339. 2340.
Marumoto, T. 2339. 2340.
Marumoto, T. 2339. 2340.
Marupov, R.M. 6653.
Marusova, M. 3834.
Marusova, M. 3838.
Marusova, W. 620.
Marwaha, S.S. 3838.
Marusova, C. 7825.
Marwaha, T.S. 2370. 8677.
Marx, C. 7825.
Maryana, T.S. 2370. 8677.
Marx, C. 7825.
Maryana, T. S. 2370.
Maryana, Matheron, D. 1266.
Matheson Buchanan, A. 3609.
Mathew, J. 4016, 4023.
Mathew, J. 4016, 4023.
Mathews, J. F. 8448.
Mathewson, J.J. 3278, 9636, 9903.
Mathlouthi, M. 237.
Mathlouthi, M. 237.
Mathlouthi, M. 237.
Mathur, B. E. 7747.
Mathur, A. 1507.
Mathur, N.B. 2396.
Mathur, N.B. 2396.
Mathur, S. 4064, 7313, 7314.
Mathur, S. N. 1507.
Mathur, S. P. 8705, 8708.
Mathur, S. P. 8705, 8708.
Mathur, S. M. 1507.
Mathur, S. P. 8705, 8708.
Mathur, S. R. 8. 8023.
Mathur, S. R. 8. 8. 8224.
Matsubara, H. 4558, 8274, 9772.
Matsubara, H. 4558, 8274, 9772.
Matsubara, N. 7144. Author Index

Author Index

Manuack a. 73 (9) 907

Manuack a. 74 (9) 909

Mayer C. W. 150 (9) Mayer C. W. 150 (

Messer, J.W. 215. Messer, W. 1844. Messing, R.A. 4619. Messinger, R. 5869. Messner, K. 3865. Messing, R.A. 4619.
Messinger, R. 5869.
Messiner, K. 3865.
Messiner, K. 3865.
Messerier, K. 3865.
Mesterhazy, A. 1361, 4072.
Metoaff, B.J. 2295.
Metoaff, T.G. 2855.
Methiner, H. 7532.
Metitiskii, L.V. 2260.
Metivalli, N.H. 3823.
Metz, S.G. 1435.
Metzger, K. 6142.
Metzger, K. 6142.
Metzger, K. 6142.
Metzger, K. 6142.
Metzler, B. 1284.
Metulemans, M. 5078, 5080.
Meurant, F. 3877.
Mevarech, M. 5783.
Mew, T.W. 352, 1195, 1433.
3364, 9459.
Meyer, C.M. 19.
Meyer, H.K. 6859.
Meyer, J.F. 7889.
Meyer, J.F. 7889.
Meyer, J.F. 7889.
Meyer, M. 8907.
Meyer, M. M. 522.
Meyer, M. M. 522.
Meyer, M. M. 522.
Meyer, M. M. 522.
Meyer, M. M. 524.
Meyers, E. 7175.
Meyer, M. M. 522.
Meyer, M. M. 524.
Meyers, E. 7175.
Meyers, S. F. 948.
Mezhevikin, V.V. 891, 8372.
Mezensky, L. 4503.
Mezentseva, L.M. 14444.
Mezes, S.F. 948.
Mezhevikin, V.V. 891, 8372.
Meyer, T. 1719.
Mhalu, F.S. 3407.
Mhean, T.I. 2802.
Micalizio, S. 4399.
Miccoli, P. 5564.
Miccolupi, M. 3497.
Michalis, H. 9886, 3988, 3995.
Michaliski, R.S. 7513.
Michaliski, R.S. 4942.
Michalski, W.P. 3683. Michalak, T. 3525. Michalski, R.S. 4942. Michalski, W.P. 3693. Michel, C. 7976. Michel, G. 3414, 6576. Michel, G. 7976.
Michel, J. 3000, 6099.
Michel, J. 3000, 6099.
Michel, L.J. 5035.
Michel, M.F. 5250, 7033.
Micheli, A. 7203.
Micheli, G. 656.
Micheli, M.R. 1594.
Michelmore, R.W. 404, 3091, 5820.
Middlelmore, W. 784.
Middlefloven, W.J. 1065.
Middleton, R.F. 7989.
Midland, S.L. 2471.
Miedema, F. 4430.
Miedziak, I. 393. muland, 3.L. 24/1.
Miedema, F. 4430.
Miederiak, I. 939.
Miederiak, I. 939.
Mielera, H. 2556.
Mielike, H. 1394.
Mielike, M. E. 5865.
Miernik, J. 9490.
Miersch, J. 5461.
Mierth, H. 8164.
Mierth, H. 8164.
Mierth, J. 5206, 5207.
Mietz, J.A. 9645.
Mitall, J. 3839.
Mifall, J. 3839.
Mignone, C.F. 7608.
Mignone, 3710, 3785, 6616, 6617, §
8438.
Mikawa, M. 2091.
Mikaylov, F.D. 3200.
Mikaladze, G.G. 9108.
Mikaslov, P. 2085.
Mikhailov, A.M. 6551.
Mikhailova, L.N. 2725.
Mikhailova, R.V. 1866.
Mikhailova, R.V. 1866.
Mikhailova, R.V. 1866.
Mikhailova, N. I. 8294.
Miklos, S. 8603.
Mikhailova, M. S. 1848.
Miklos, S. 8603.
Miko, M. 7156.
Mikolajcik, E.M. 8484.
Mikulik, K. 1832.
Mikusova, A. 2178, 2245.
Mikusova, A. 7518.
Mikakovic, Z. 2350. 8438.

Microbi G M. 1313
Microbi C M. 1313
Microbi C M. 1313
Microbi C Microbi C M. 1313
Microbi C Micr

Monto, A.S. 1709.
Montoya, E. 5517, 9667
Montiville, T.J. 1935, 2960
Moo-Young, M. 8418, 8448, 9116 Morrs, C.N. 8379, 9222.
Morris, R.D. 7689.
Mood, M. 6146.
Moody, M. M. 4281.
Moone, C.T. W. 7302.
Moore, R. 8379.
Moore, C. H. 6444.
Morone, C. H. 6444.
Morone, C. H. 6444.
Morone, C. H. 6444.
Morone, C. H. 6447.
Morris, M.J. 425, 427, 9408.
Morris, C.N. 8379, 9222.
Morris, R.D. 7689, 6835, 7723
Morris, C. A40, 1399, 6835, 7723
Morris, T.J. 831, 1294, 9865, 9866
Morris, T.J. 831, 1294, 9865, 9866
Morris, C. 1401, 1399, 6835, 7723
Morris, M.J. 425, 427, 9408.
Morris, C.N. 8379, 9222.
Morris, R.D. 589, 6835, 7723
Morris, M.J. 425, 427, 9408.
Morris, C.N. 8379, 9222.
Morris, L.D. 8899, 6835, 7723
Morris, M.J. 425, 427, 9408.
Morris, C.N. 8379, 9222.
Morris, L.D. 899, 6835, 7723
Morris, M.J. 425, 427, 9408.
Morris, C.N. 8379, 9222.
Morris, C.J. 400, 1399, 6835, 7723
Morris, R.D. 7689
Morris, C.J. 400, 1399, 6835, 7723
Morris, C.J. 400, 1399, 6835, 7723 Mostata, S.A. 5751, 5750, 5760, 9181.

Mostrow, S.R. 3361.

Mostros, A. 2665.

Moszczenska, B. 8081.

Mota, M. 4729.

Motes, M.L., Jr. 2689.

Motes, M. 2750.

Motoma, C. 17863, 8803.

Motes, M. 17450.

Motosugi, K. 1872.

Mot, D. G. 9754, 9755.

Moubasher, A.H. 1813, 3780, 3781.

Moubasher, M. H. 5664.

Moulin, A. 9957.

Moulin, A. 9957.

Moulin, A. 2043, 3756, 3844.

Moura, J. 174, 2737, 4634.

Moura, J. 174, 2737, 4634.

Moura, J. J. 2737, 4634.

Moura, J. J. 6. 74, 2737, 4634.

Moura, J. 1817.

Moura, Moura, J. 1817.

Mousain, D. 969.

Mowar, F. 1873.

Movat, W. P. 6808.

Mowe, G. 3765.

Mowy, F. L. 8530.

Mown, T. M. 5750.

Movon, E.R. 1862.

Moyer, J.W. 2100, 5000.

Moyes, A. 8701.

Mastef, Y. 6464.

Mubarak, S. I.M. 4389.

Muchoki, R.N. 8555.

Muchovel, J.J. 1428.

Mudgett, R.E. 4723.

Muchierie-Mirines, U. 1179.

Mueller, C. 3892.

Mueller, G. 3982.

Mueller, C. 5982.

Mueller, F. 1863, 954, 1880.

7022, 8275.

Mueller, F. 1863, 954, 1880.

Moule, 1970.

Mueller, H.-M. 5625, 5626. Mueller, H.-M. 5625, 5626, 5643, 6746.
Mueller, H.E. 3617
Mueller, J.-C. 6193.
Mueller, J.P. 1253.
Mueller, K.D. 36.
Mueller, K.D. 36.
Mueller, M.M. 3328.
Mueller, M.M. 5972.
Mueller, M.M. 5972.
Mueller, P.J. 3439, 8003, 8037.
8038. 8038.

8039.

Mueller, R. 6285.

Mueller, U. 3477, 4768.

Mueller, U. 3477, 4768.

Muendel, H.-H. 5129.

Muessay, J. 4563.

Muegawa, H. 6152.

Mugg, P. 5506. 9024.

Muhammad, N. 7081.

Muhammad, N. 7081.

Muhammad, J. 9824.

Mur, A.D. 687.

Mur, D.D. 687.

Mur, W.E. 8600.

Murhaad, I.F. 6833, 8569.

Mukaa, J. 7169.

Mukaa, J. 7169.

Mukaa, H. 559.

Mukaa, H. 559.

Mukaaa, H. 519.

Mukaaa, H. 519.

Mukaaa, H. 519.

Mulaaa, H. 519.

Mulaaa, M. S. 1030.

Mulaaa, M. M. 3980.

Mulaaa, M. S. 1030.

Mulaaa, M. M. 3980.

Mulaaa, M. S. 1030.

Mulaaaa, M. S. 1030.

Mulaaaaa, M. S. 1030.

Mulaaaaaaaaaa

Murakami, K. 6521.
Murakoshi, S. 774.
Muraki, H. 7505.
Murakoshi, S. 9774.
Muralidharan, K. 1169.
Muramatsu, I. 8884.
Muramatsu, S. 8900, 9792.
Murant, A.F. 464, 2979.
Murao, S. 923, 2735, 3692,
3698, 3699, 6387, 6515, 6523,
7306, 8389.
Muraoka, H. 6371, 8197.
Muraoka, T. 1876.
Muraoka, T. 1876.
Muraoka, T. 1876.
Muraoka, T. 1877.
Murata, K. 118.
Murata, K. 118.
Murata, K. 1097.
Murayeva, S. 1474.
Murayeva, V.A. 5366.
Murayova, L.I. 1842.
Murayova, L.I. 1842.
Murayova, L.I. 1844.
Murayova, L.I. 1842.
Murayova, S. 1474.
Murayova, S. 1474.
Murayova, C.W. 2323, 8657. Murdoch, C.W. 2323, 8657. Murdock, A.L. 72. Mureria, N.K. 5906, 8669.

9778.
Naganuma, T. 1971.
Nagano, A. 77, 107.
Nagara, N.C. 446.
Nagaraja, T.G. 6680.
Nagaraju, S. 1166, 4958.
Nagaraju 3034.
Nagasaki, S. 6477.
Nagasaki, T. 4407.
Nagasawa, T. 4557, 4581, 8204.
Nagasawa, T. 4557, 4581, 8204.
Nagasawa, T. 4557, 4581, 8204. Nagasawa, T. 4557, 4581, 820 Nagata, K. 6481 Nagate, T. 2568, 2569, 5277. Nagato, N. 8911. Nagayama, K. 4558, Nagel, C.W. 1555, 2448. Nagel, D.L. 3725. Nagel, J. 3075, 9421. Nagornaya, S.S. 184, 7527.

Murchushi, N. 968
Murconets, V.I. 4693, 7332.
Murphy, A.M. 8158.
Murphy, J.A. 7145.
Murphy, J.A. 7145.
Murphy, J.F. 4770.
Murphy, J.F. 4770.
Murphy, P. 5263.
Murphy, P. 5263.
Murphy, P. 5263.
Murphy, P. J. 3028.
Murphy, P. G. 6333.
Murr, L.E. 9627.
Murray, B.E. 3278, 6024, 6027, 602460, 70385.
Murray, B.E. 53278, 6024, 6027, 602460, 70385.
Murray, P. R. 5157, 9924, 9930.
Murray, P. R. Nabbut, N.H. 3461,
Nabeshima, S. 6313,
Nakano, H. 8842,
Nacescu, N. 6265, 6267,
Nachniss, A. 1246, 3979, 7648,
Nadakan, A. 5225,
Nadakan, A. 5225,
Nadakan, A. 5225,
Nadakan, M. 8067,
Nadakan, M. 8067,
Nadelhoffer, K.J. 6895,
Nader de Macias, M.E. 9161,
Nadkashima, I. 301, 5126,
Nakashima, I. 301 Nakazato, M. 277. Nakazawa, A. 6416. Nakazawa, H. 3297. Nakazawa, K. 277. Nakazawa, M. 2515. Nakazawa, M. 2515.
Nakhapetan, L. A. 1860.
Nakhapetyan, L. A. 5521.
Nakou, M. 865.
Nall, B. T. 4559, 4560.
Nam, D.H. 9749.
Nambu, T. 1559, 2433.
Nambuar, P.T. C. 4250, 7015, 9591. Nelson, C. L. 193.
Nambuar, P.T. C. 4250, 7015, 9591. Nelson, C. L. 4200.
Nambuaripad, V.K. N. 2058, 2965.
Nelson, D. M. 6996.
Namestnikova, V. P. 778, 7171.
Namiki, S. 2568, 2569, 5277.
Namikoshi, M. 3445.
Nance, W.L. 6998.
Nelson, J. 5044,
Nelson, J. 5054,
Nelson, J. 5044,
Nelson, J. 5044,
Nelson, J. 5054,
Nelson, J. 5058,
Nels

Nagradova, N.K. 4693, 7332, 7352. Nandi, B. 168, 441, 4105.
Naguib, A.I. 9607.
Naguib, M.M. 4797.
Naguib, M.M. 4797.
Nagy, G.S., 4006.
Nagy, L.A. 153, 1722.
Nagy, S. 2, 4006.
Nagy, L.A. 153, 1722.
Nagy, S. 9452.
Nagy, L.A. 153, 1722.
Nanpetian, N. 6263.
Nahaepetian, N. 6263.
Nahae, N. 799.
Nador, F. 6542, 7170.
Naidoo, G. 9359.
Naidor, F. 6542, 7170.
Naidoo, G. 9359.
Naidow, F. 277
Najor, V. 9902.
Naplekova, N.N. 8663.
Naidow, J. 7046.
Naoui, S.A. M.H. 3078. Naoi, Y. 277
Naoi, Y. 277
Napiekova, N.N. 8663.
Naqui, S.A.M.H. 3978.
Narahara, H. 4522
Naraha, K. 3776.
Narasiah, K. 4436.
Narih, L.O. 8322.
Narikawa, O.T. 2625.
Narikawa, O.T. 2625.
Narikawa, O.T. 2625.
Narikawa, O.T. 2625.
Nash, C. W. 4361.
Naser, P.W. 742.
Naser, W.L. 2652.
Nash, C.H., Ill 6115.
Nash, D. R. 2401.
Nash, G.V. 3514.
Nasim, A. 9067.
Nasrewa, R. 293.
Nasara, A. Y. 293.
Nasara, A. Y. 293.
Nastasia, A. 8226. Nakagawa, A. 3354, 3432, 5279, Nash. D. R. 2401.
Nash, G. V. 3514.
Nash, G. V. 3514.
Nash, J. 4723.
Nakagawa, H. 6449.
Nash, J. 4723.
Nakagawa, T. 7589.
Nakagawa, H. 6840.
Nath, J. 6757.
Nakagome, T. 8840.
Natarajan, K. 2033.
Nakagome, T. 8840.
Natarajan, K. 2033.
Nakagome, T. 8840.
Natarajan, K. 2033.
Nakagome, T. 8840.
Nakagome, J. 8840.
Natarajan, K. 2033.
Nakagome, J. 8840.
Nakagome, J.

Nelson, L.R. 3123 Nelson, L.R. 3123. Nelson, M.G. 5058. Nelson, M.J. 4593. Nelson, M.R. 408. Nelson, P.V. 1298. Nelson, R.C. 6079. Nelson, R.L. 9730. Nelson, R.R. 3005. Nelson, R.R. 3005 Nelson, S.L. 7884, Nelson, S.L. 7884, Nelson, S.M. 3401, 3444. Nemas, C. 6306, Neme, Y. 5993, Nene, Y.L. 1142, 1367, 4938. Nenkov, P. 2706, Nenkov, P. 2706, Nenkov, P. 4811, Nerad, T. 4811, Nerad, T. 4811, Nerad, T. 7187, 8015, Nerurd, F. 7187, 8015, Nes, I.F. 2056, 7120. Nesbakken, T. 8209. Nesburn, A.B. 7096. Neslund, G. 6376. Neslund, G. 7090.
Neslund, G. 8376.
Nesmeyanova, M.A. 8294.
Nesmith, W.C. 8875.
Nespiak, A. 8435.
Ness, G.E. 2042, 4765.
Nestor, E.W. 2202, 7689.
Nester, S. 219.
Nesternko, E.A. 1891.
Nesternko, C.A. 628, 2664.
Nesterova, L.Y. 1636.
Nesterova, E.Y. 1636.
Nesterova, E.P. 9639.
Nesvera, J. 7248. Navesu, H.P. 2858.
Navasu, H.P. 2858.
Navasu, I.N. 1180.
Navrocka, K. 4785.
Navak, D.N. 619.
Navior, W.T. 1982.
Navior, W.P. 1982.
Naziv, N. 9982.
Ndhilovu, M. 9889.
Ndhilovu, M. 9889.
Ndhilovu, M. 9889.
Ndhilovu, M. 9889.
Neal, H.D. St.C. 8490.
Neboranko, V.S. 2406.
Nebreda, A.R. 44.
Nedbalkova, B. 2102.
Nedkov, P. 5503.
Neelvakantan, S. 1826, 3662.
Neelvakantan 7132, 7985, 8807.

Nicole, M. R. 5979

Nicoles, G. 4712

Nicoles, M. 5380, 6266

Nicoles, L. 680

Nicoles, G. 4712

Nicoles, M. 526, 6899

Nicoles, G. 4712

Nicoles, G. 4712

Nicoles, M. 526, 6899

Nicoles, G. 4712

Nicoles, M. 5272

Nicoles, M. 5282

Nicoles, G. 4712

Nicoles, M. 5282

Nicoles, G. 4712

Nicoles, M. 5282

Nicoles, G. 4712

Nicoles, M. 4719

Nicoles, M. 4

Microbiology Abstracts A vol. 18

Modul E C. 4003, 4007.
Numez J. A. 198, 8470
Numez J. A. 198, 8480
Numez J. 198, 8471
Numez J. A. 198, 8470
Numez J. A. 198, 848, 8277
Numez J. A. 198, 8470
Numez J. 198, 847

Author Index

Otani, M. 4415. Otani, T.T. 7085. Oterholm, B. 4829, 4834. Otjen, L. 5880. Otoguro, K. 3354. Otoguro, N. 3354. Otomo, N. 4161, 8521. Otsuji, N. 4553. Ott, J.L. 3377. Ott, J.L. 3377. Ott, R.A. 9763. Otto, J.C.G. 6959. Otuk, G. 5600. Ou, S.H. 5037. Ouglette, R.P. 10000. Outlettet, R.P. 10000. Ouf, M.F. 1354. Ougaham, H.J. 1881. Ough, C.S. 2868 Oura, E. 3806.

Padhi, S.B. 9207.
Padhiye, A.A. 2723, 8165.
Padmakumary, G. 3094, 3096.
Padmanaban, V.D. 2656.
Padmanabhan, S. 5591.
Padana, P. 19747.
Paez, E. 3358.
Paganan, A. 9818.
Paganan, A. 1923.
Paganan, A. 1923.
Paganan, A. 1938.
Paganan, A. 3211.
Paggi, D. 9818.
Paggano, M. 3211.
Paggi, D. 9818.
Paggiazzo, R. 3859.
Palwa, K. 7002.
Palis, B. 9075.
Palis, B. 9075.
Palis, B. 9075.
Palis, B. 1973.
Paico, M. G. 7378.
Paico, M. R. 7379.
Paico, M. G. 7378.
Paico, M. R. 7379.
Palis, S. 1854.
Pallaco, B. 515.
Palku, S. 3277.
Pallaco, G. 528.
Palin, T. 8079.
Pallaco, T. 4571.
Paleolog, J. 7429.
Pallaco, T. 4571.
Paleolog, J. 7429.
Pallaco, T. 6958.
Pallaro, T. 8079.
Pallaror, S. G. 9508.
Pallaror, G. 1888.
Pallaror, S. G. 9508.
Pallaror, G. 1887.
Palmer, G. 1887.
Palmer, G. 1887.
Palmer, G. 1892.
Palmer, M. J. 6208.
Palmer, J. 1892.
Palmer, J. 1892.
Palmer, M. M. 5279, 7619.
Palmisaror, F. 7615.
Palury, S. 6229.

Oral H. 6730 Oureinon, D. G. 5104 Ouverloris, T. 790 Oureinon, D. G. 5104 Ouverloris, T. 1904 Ourein, D. G. 5105 Oureinon, D. G. 5105 Oureino Parker, J.A. 2917.
Parker, J.H. 5365
Parker, L.L. 3841.
Parker, L.W. 6964.
Parker, L.W. 6964.
Parker, M.T. 2415.
Parker, M.T. 1693.
Parkin, G.F. 9880.
Parkin, G.F. 5840.
Parkin, M.F. 1701.
Parkinson, D. 1480, 4203, 5914.
5916, 9542.
Parkin, L.W. 5203.

Partisky, E. 8792.
Pattiee, P.A. 4508.
Patterson, J.D.E. 1874.
Patterson, J.D.E. 1874.
Patterson, J.T. 206.
Patterson, T.G. 9581
Patterson, T.G. 9581
Patterson, V.J. 3728.
Patton, A.M. 8489.
Patton, C.M. 9944.
Patton, R.F. 9527.
Pattridge, K.A. 6537.
Pattyn, S.R. 2466, 2467, 3419.
Patwardhan, B.H. 1553.
Paul, E.A. 5775.
Paul, E.A. 553, 615, 3186, 5968, 8680, 9563.
Paul, G.G. 8287.
Paul, H.L. 1757, 7221, 9404.
Paul, J.H. 8128.

Pamment, N.B. 4705.
Pan, C. F. 46, 115.
Pan, C Penido, E. G. 5961 Penington, G.R. 3296. Penington, G.R. 3296. Penin, R.L. 2639. Penin, R.L. 2639. Penin 28. L. 2639. Peninazio, S. 1378, 2993, 4034. Peninipacker, B.W. 1172. Penington, M. 8061 Penington, G.A. 975, 2492, 6077. Penington, G.A. 975, 2492, 6077. Peopin, R.S. 1531. Pepin, H.S. 1531. Pepin, R. 8161, 9504. Pepper, J.M. 2902. Peralta, E.-L. 3077. Percayl, A.K. 3301.

Microbiology Abstracts A vol. 18
April 1855 5973
April

Author Index 5027. Purchio, A. 5645. Purcifuli, D.E. 320, 1125, 5017. Purcino, A.A.C. 3232. Purdy, L.H. 5716. Purdy, R.E. 8241. Purohit, K. 1889 Pursiano, T.A. 2529. Pursano, T.A. 2529.
Pursayh, T.A. 2529.
Pusey, P.L. 6351.
Pustovalova, L.I. 1841.
Put, H.M.C. 1631.
Puthucheary, S.D. 9895.
Putt, M. 1162.
Puttle, B. 7485.
Putz, C. 3527.
Pyckayet, M. 4365 Putz, C. 3527. Pyckavet, M. 4365. Pye, G.W. 7936. Pyliotis, N.A. 7249. Pyshnyi, S.P. 6170.

Oadri, R.B. 2911. Qadri, S.M.H. 4379. Qayyum, A. 7662. Qian, C.-H. 825. Qiin, J.-L. 822. Quack, W. 5556. Quadripur, S.A. 3185. Quain, D.E. 4547. Quail, C.O. 9761. 9942. Qualts, R.G. 3472. Quandt, L. 1790. Quantick, P. 6547. Quarles, J.M. 9044. Qualtano, R.S. 97. Quatrano, R.S. 97. Quavle, E. 3601.

Author Index

Pror. M.G. 4845
Proy. J. L. 8701
Propulina, L. S. 7586
Proy. J. L. 8701
Propulina, L. S. 7586
Prichard, G. G. 7436
Prichard, G. G. 6421, 6440.
Prochazkova, Z. 2179.
Prochazkova, Z. 2179.
Prochazkova, Z. 2179.
Prochazkova, Z. 2179.
Prochazkova, Y. A. 6510.
Propelli, E. 8933.
Proskop, G. 982.
Prokopo, P. 982.
Prokopo, P. 982.
Prokopo, A. V. 6170.
Proswinin, M. 1129.
Proskorma, V. A. 6110.
Prosser, B. L. T. 6200.
Provenin, M. 1129.
Proskorma, V. A. 6110.
Prosser, B. L. T. 6200.
Provenin, M. 1129.
Provokopovich, A. V. 6170.
Prominin, M. 1129.
Proskorma, V. A. 6110.
Prosser, B. L. T. 6209.
Provokopovich, N. V. 6864.
Prud horn, J. M. 6669, 6610.
Prudell, M. 3803.
Prozesky, O. W. 9812.
Prozorovskij, V. N. 4684.
Prud horn, J. M. 6609, 6610.
Prudell, M. 3803.
Prozesky, D. 2471, 6834.
Prusoft, W. H. 2486.
Prudhorn, J. M. 1020.
Prudel, M. 3803.
Prozesky, O. W. 9812.
Prozorovskij, N. 1684.
Prudhorn, J. M. 1620.
Prudel, M. 3803.
Prozesky, O. W. 9812.
Prozorovskij, V. N. 4684.
Prudhorn, J. M. 6609, 6610.
Prudel, M. 3803.
Prozesky, O. W. 9812.
Prozorovskij, N. 1684.
Prudhorn, J. M. 6209, 6610.
Prusok, E. 2559.
Prusky, D. 2471, 6834.
Prusoft, W. H. 2486.
Prusoky, D. 2471, 6834.
Prusoft, W. H. 2486.
Prusoky, D. 2471, 6834.
Prusoft, W. H. 2486.
Prusoky, D. 2471, 6834.
P Rahman, R. 2622.
Rai, B. 2987, 3146, 3771, 5694, 5855.
Rai, M. 2221.
Rai, B. 19855, 5963, 7854.
Rai, R. 19555, 5963, 7854.
Rai, R. 19555, 5963, 7854.
Rai, R. 19555, 5963, 7854.
Rai, R. 1955, 5963, 7854.
Rain, R. 1964, 7865

Rathod, R.K. 2136. Ratledge, C. 117. Ratnam, D.A. 2673. Ratner, D. 5435. Ratomahenina, R. 4744, 5513. Rathod, R.K. 2138. Hatham, D.A. 2673.
Hatham, D.A. 2673.
Ratiomaherina, R. 4744, 5513.
Ratiomaherina, R. 1682.
Rattan, A. 7928.
Rattan, G. S. 1682.
Rattan, A. 7928.
Rattan, G. S. 1794.
Rausch, T. 5761.
Ravena, F. 1975.
Ravena, F. 1975.
Ravshankar, H. M. 9591.
Ravv. 2670.
Rav. 1797.

Reifenstahl, G. 8880. Reifschneider, F.J.B. 2141, 4964, 7700, 9456.

Reil, W.O. 1207.
Reilly, C.C. 1214.
Reimer, L.G. 9955
Reinbold, G.W. 832, 6670.
Reiner, R. 7277.
Reinhardt, D.J. 9823.
Reinhardt, G. 3440.
Reinhold, C. 4429.
Reinhold, C. 7397.
Reinhold, T. 644.
Reinhold, C. 7397.
Reins, J. 8313.
Reiser, R.F. 1110, 7644.
Reiser, B. 993.
Reiser, J. B813.
Reiser, J. B813.
Reiser, J. B814.
Reiss, J. 7625.
Reiter, B. 5176.
Reithmeier, R.A.F. 4566.
Rekola, M. 817.
Reiher, L.B. 9955, 9962, 9977.
Remacle, J. 2294, 9514. Currish, M.A. 7261, 7999.

Pag. J. 7549

Pag

Richards, J. 4108. Richards, M.G. 1005. Richards, W.C. 4152. Richardsome, H. 710. Richardson, A.M.M. 7803.

chardson, B.D. 8077 | chardson, G.H. 5426 | chardson, G.H. 5426 | chardson, J. 342, 2429 | chardson, J. 342, 2429 | chardson, M. 5660 | chardson, M. 5660 | chardson, M. 5660 | chardson, M. D. 5624, 5438. | chardson, M.D. 3624, 5438. | chardson, R. 9833 | charme, G. 2734. | chardson, R. 9833 | charme, G. 2734. | chardson, R. 9835 | charmond, L.D. 17. | chardson, R. 17. | chardson, R

Chartelson, B.D. 8077
Pichardson, G. 1982
Pichardson, G. 1983
Pichardson, G. 1983
Pichardson, M. 1980
Pich Roberts, G. 8883.
Roberts, G. C. K. 2785.
Roberts, G. D. 9992.
Roberts, H. 183.
Roberts, J. 6543, 7399.
Roberts, M. J. 5116.
Roberts, N. 6258.
Roberts, N. C. 6259, 8136.
Roberts, P. A. 8279.
Roberts, P. B. 666, 7915.
Roberts, P. L. 3078.
Roberts, P. L. 3078.
Roberts, P. J. 3078.
Roberts, P. J. 3078.
Roberts, P. J. 6078.

Rogers, M.E. 9713. Rogers, M.R. 5139 Rogers, P.L. 1788, 7507, 9233 Rogers, R.D. 6952

Ross, R.F. 5189
Rossel, H.W. 332, 7672.
Rosser, H.R. 7244.
Rosser, H.R. 7244.
Ross, A.E. 6780, 9337.
Rossi, L. 6470.
Rossi, C. 6780, 9337.
Rossi, L. 6470.
Rossigno, M. 3097.
Rossider, P.B. 830
Rossmoore, H.W. 5147.
Rosswall, T. 617, 3221.
Rossam, T. 617, 3221.
Rossam, D.B. 7254.
Rotem, J. 424, 6801, 6821, 6822.
Rote, D.A. 2123.
Roten, J. 421, 267, 7596.
Roth, J. Rossel, R

Ruggeri, F.M. 2952.
Ruhen, R.W. 4283.
Rulz-Argueso, T. 7837.
Rukhlyada, V.V. 2073.
Rukhlyada, V.V. 2073.
Rumans, L.W. 841
Rumball, P.J. 609
Rumber, I.C. 6786.
Rumler, W. 793.
Rusher, R.W. 3210.
Rumber, I.C. 183.
Rusher, R.W. 3210.
Runder, R.W. 3210.
Rusher, R. 696.
Rush, M.C. 1193. 6766.
Rush, M.C. 1193. 6766.
Rush, M.C. 1193. 6766.
Rushiorth, S.R. 5887.
Ruspakovski, B. 3342.
Rusker, R.H. 6979.
Russek, E. 5431, 9948.
Russell, J.M. 3899.
Russell, S.A. 5936, 7009.
Russell, S.A. 5936, 7009.
Russell, S.A. 5936, 7009.
Russell, R.M. 3899.
Russell, S.A. 5936, 7009.
Russo, G. 3430.
Russo, J. 4630.
Russo, J. 4630.
Russo, J. 4630.
Russo, J. 4630.
Russo, V. M. 6584.
Russell, S.A. 5936.
Russo, V. M. 6584.
Russell, W. R. 2095.
Ruttenber, A.J. 3494.
Rustoka, V.R. 2095.
Ruttenber, A.J. 3494.
Ruttkova, V.R. 2095.
Ruttenber, A.J. 3494.
Ruttloff, H. 2761, 3701, 5384.
Ruskanen, O. 5154.
Ruyechan, W.T. 7642.
Ruzicka, P. 7741.
Rweyemamu, M.M. 2469.
Rybalka, I.C. 7699, 7809, 7809, 9120.
Rybalka, I.C. 7699, 7809, 7809, 9120.
Rybalka, I.C. 1867.
Rybalka, I.C. 1867.
Rybalka, I. 1836.
Rybalka, I. 1836.
Rybalka, I. 2761, 7301, 5384.
Ruskanen, O. 5154.
Ruyechan, W.T. 7642.
Ruzickova, V. 6658.
Rybalka, I.P. 2714.
Rweyemamu, M.M. 2469.
Rybalka, I.C. 1867.
Rybalka, I.C. 1868.
Rybalka, I.C. 1869.

Sa-Correia, I. 8394.
Saakyan, S.S. 8830.
Saari, E.E. 1166.
Sabagh, I. 8113.
Sabath, L.D. 3268.
Sabatinos, L.E. 797.
Saber, M.S.M. 5892.
Sabi, D. 639.
Sacco, J.P. 6323.
Sacco, M. 2811.
Sack, D. 3299.
Sacks, S.L. 5219.
Sacks, S.L. 5219.
Sackston, W.E. 9416.
Sacristan, M.D. 450.
Sadakane, N. 8919, 9770, 9772.
Sadasivam, KV. 5918, 7799.
Saddler, J.N. 1926, 2018, 3739, 3750, 3791, 4727, 8370.

Salem D. B. 1961 Salem C. V. 2000 Salem C. V. 3. Saur, R. B634, Savage, S. D. 7685, Savages, M. A. 7822, 7523, 7524, Schele, J. B. 71, 1212, 5743, Schele, J. B. 71, 1212, 5743, Schele, J. B. 71, 1212, 5743, Schele, J. B. 72, 52462, Schele, J. B303, Savell, J. W. 165, 251, Schele, J. B301, Schel

Schink, B. 4660, 6336, 6645.
Schinner, F. 5969, 9556.
Schintu, M. 1712.
Schipper, U. 3972.
Schioppacassi, G. 1611, 2561.
Schiper, D. 4405, 4406, 9779.
Schippers, B. 2349.
Schipers, B. 2349.
Schipers, B. 2349.
Schiefer, R. 8513.
Schlegel, B. 3438.
Schlegel, B. 3438.
Schlegel, H. 6730.
Schlegel, H. G. 4591, 4670.
6488, 8314.
Schleser, G. H. 7215.
Schlesselmann, P. 6493.
Schlieker, C. 5627.
Schlessbach, B. 4768.
Schliewert, P. M. 6706.
Schliewert, P. M. 6706.
Schliewert, P. M. 6706. Schliegeman, M. 7506.
Schliogesser, E. 1148, 1527.
Schliogs, J.V. 6424.
Schlotter, H.A. 4733.
Schlub, R.L. 5792.
Schlumbohm, W. 6494.
Schlotter, H.A. 4733.
Schlub, R.L. 5792.
Schlumbohm, W. 6494.
Schlotter, H.-P. 3867.
Schmid, E.N. 7060
Schmid, E.N. 3618.
Ss87.
Schmidt, J. 3618. 5387.
Schmidt, J. 3618. 5387.
Schmidt, J. 3618. 5387.
Schmidt, J. 3618.
Schmidt, J. 3798.
Schmidt, R. 1343.
Schmidt, R. 1454.
Schmidt, R. 1454.
Schmidt, R. 1454.
Schmidt, R. 1454.
Schmidt, R. 1458.
Schmidt, R. 1458.
Schmidt, R. 4568.
Schmitt, R. 4568.
Schmitt, R. 4678.
Schmidt, R. 1458.
Sc Schroeder, U. 8127. Schroeter, G. 3394, 7075. Schroth, M.N. 403, 1207, 1222. Schubert, K.R. 8694. Schubert, M.L. 357.

Microbiology Abstracts A vol. 18

Microbiology Abstracts A vol. 19

Security J. 19

Author Index

Author Index

School M. 1971 (1909)
Schrein A. 1970 (1909)
Schrein A

Slyusarenko, A.G. 6471.
Smail, D.A. 6376.
Smail, E. 2622
Smalley, E.B. 1167. 3945.
Small, D. 9559.
Smad, D. 9559.
Smad, J. L. 5235.
Small, D. 9559.
Smad, J. L. 5235.
Smalley, E. 1527.
Smejkal, F. 7944.
Smela, F. 7944.
Smela, F. 7944.
Smela, F. 7945.
Smela, E. 1656.
Smelt, M. L. 2114.
Smille, L.B. 4575.
Smille, R.H. 5313.
Smillow, P.C. 5343.

Smith, R.P. 2505.
Smith, R.S. 5059.
Smith, R.S. 5059.
Smith, R.V. 7467.
Smith, S. 3483. 8759.
Smith, S. 3483. 8759.
Smith, S. 43375
Smith, S. 63375
Smith, S. M. 6935, 9950.
Smith, S. M. 6935.
Smith, T. W. 6971.
Smith, T. H. 4404.
Smith, T. K. 543.
Smith, T.W. 4798.
Smith, W.G. 6536.
Smith, W.G. 6536.
Smith, W.G. 6536.
Smith, P. M. 6536.
Smith, P. M. 6536.
Smith, P. M. 7688.
Snell, J.S. 711. 2463.
Snellgrove, R.C. 1471.
Snell, J.S. 711.
Snell, J.S. 711.
Snell, J.S. 711.
Soave, J. 2774.
Sobolev, M. P. 516.
Sobel, R.S. 810.
Sobolev, V.R. 7052.
Sobolev, H. M. 4.
Sobolev, V.R. 7052.
Sobolev, M. 8987.
Sobolev, M. 8987.
Sobolev, M. 8151.
Sobolev, M. 872.
Sobolev, B. 815.
Sobolev, P. 2079. Soedigoo, P. 2079. Soegaard, H. 8970. Soegaard, P. 629, 7028. Soeters, W. 5155. Sofos, J.N. 4873. Softiku, S. 8884. Soga, O. 1823. Sohi, H.S. 5688, 5759, 5832, 9445 Sohi-Vos, H.M. 1076. Sohi-Vos, H.M. 107 Sohm, B. 5294. Sohnle, P.G. 8172. Sojka, R.E. 6993. Sokalo, S.V. 1612. Sokhi, S.S. 5688. Sokol, M.S. 1574. Sokolov, A.P. 6454. Sokolov, I.G. 7871. Sokolov, I.B. 1682 Sokolov, E.B. 1682 Sokolov, L.B. 1682 Sokolova, E.I. 297. Sokolova, K.Ya. 7236. Sokurova, E.N. 6026. Sola, C. 9150. Sola, C. 9150.
Solanke, E.O. 1773.
Solanke, E.O. 1773.
Solanke, E.O. 1773.
Solanke, B. 2290.
Solanki, I.S. 3137.
Solberg, C.O. 6113.
Solberg, C.O. 6113.
Solberg, C.O. 6113.
Solberg, C.O. 6113.
Solberg, C.O. 612.
Sole, Z. 5869, 8638.
Soler, J. 1905.
Sole, Z. 5869, 8638.
Soler, J. 1905.
Sole, Z. 5869, 8638.
Soler, J. 1906.
Soler, Soler, J. 1906.
Soler, J. 1936.
Sol Solanke, E.O. 1773 Solanke, R.B. 2290 Sonnenberg, A S.M. 1955. Sonnleitner, B. 1794, 2691, 8931. Sonntag, H.-G. 307, 1108.
Sonndag, R.M. 1413, 5835.
Sonnodan, R.M. 1413, 5835.
Sonnodan, R.M. 1413, 5835.
Sonnodan, T. 928.
Sonnoda, R.M. 1413, 5835.
Sonnoda, T. 928.
Sonnoda, R.M. 1413, 5835.
Sonnoda, R. 98376.
Sond, R. 1843, 7990.
Sond, R. 1840.
Songarkar, P.M. 18985.
Soper, R. S. 995, 1033.
Soper, R. S. 995, 1033.
Sorrelb, T. 9896.
Sorreshi, D. 6399
Sorreshi, D. 18966.
Sorreshi, D. K. 829.
Sorrenshi, D.K. 829.
Sorrenshi, D.Y. 581.
Sorrelb, T. G. 3935.
Sorrell, T. 1082
Sorrelb, T. 4292,
Sorrenshino, J.V. 7118.
Sorrelb, T. G. 4292
Sorrenshino, J.V. 7118.
Sorrelb, T. G. 4848
Sorrelb, Sonntag, H.-G. 307, 1108. Solto, P.E. 491.
Soltomayor, I.A. 5718.
Soutomayor, I.A. 5718.
Soutomy referat 6729.
Soulas, G. 161.
Soulas, G. 161.
Souriti, T. 4715.
Souriti, T. 4726.
Souriti, T. 4726.
Souriti, T. 4727.
Sou pitz, M. 1758. pitzy, K. H. 7152. pitzyk, J. G. 2486. pitzyk, N. Ya. 7922. pititstoesser, D. F. 2026, 6668, 8473. pititstoesser, W.E. 1471. poelstra, S.K. 6681. pohr, M. 3576. pohrs, R. A. 1211, 1323. prenger, B. 6993, 7535. prenger, B. 600, 3231. priett, J.A. 5362.

Signature A. S. 1969. Septiment Flora (C. 1983). Septiment Flora (C. 1984). Stuetz, P. 6158
Stuly, A.A. 9255
Stupperich, E. 7414
Stuly, A.A. 9255
Stupperich, E. 7414
Sturali, E. 4562
Sturk, A. 8525
Stuteville, D.L. 353.
Stuthiman, D.D. 3125
Stuteville, D.L. 353.
Stuthiman, D.D. 3125
Stutz, P. 3416
Stutz, P. 3417
Stutz, P Sugueri 3.4, 432, 5438, Sumida, M. 6523. Summanwar, A.S. 1124, 2109, 3042. Summanwar, A.S. 1124, 2109, 30 Summerton, J. 9875. Summons, R.E. 1509. Sumner, D.R. 5706, 6772, 9473. Sumner, D.R.,Jr. 367. Sumner, J.L. 3858. Sumner, P.E. 2690.

Author Index Sumnevich, V.G. 7527. Sumper, M. 8223. Sun, P.T. 9804. Sun, S.K. 3093
Sungayaw, M. 4421
Sydow, G. 699.
Sungayaw, M. 4421
Sydow, G. 699.
Sykes, D.E. 8252.
Sykes, D.E. 8252.
Sykes, B. 1609, 7167.
Sykes, R.B. 1609, 7170.
Sykes, R.B. Sun, S.K. 3093 Sunagawa, M. Susun, L. 1136.
Sutar, I. 1304.
Sutherland, I.W. 1951, 2746.
Sutherland, J.B. 9261.
Sutherland, J.B. 9261.
Sutherland, J.B. 9261.
Sutherland, J.B. 3174.
Suthers, H.L.B. 7294.
Suto, T. 7300.
Suthers, N.T. 2505.
Suthina, S.L. 7283.
Suther, V.L. 725, 3376, 3420, 8936, 9743.
Sutter, V.L. 725, 3376, 3420, 8936, 9743.
Sutter, V.L. 725, 3376, 3420, 8936, 9743.
Sutter, V.L. 755, 3376, 3420, 836, 9743.
Sutter, V.L. 7579, 9484.
Sutter, V.L. 946.
Sutter, V.L. 9768.
Sutter, V.L. 9768. Suzuki, N. 3723. Suzuki, S. 1804, 1976, 3584, 5430, 9055. Suzuki, T. 914, 7558, 9117. Suzuki, Y. 5509, 8523, 8876. Suzuki, Y. 5509, 8523 Svanberg, M. 3500. Svandova, E. 4507. Svarva, P.L. 2425. Svedhem, A. 2055. Svendsen, I. 27, 29. Svendsen, J.A. 3873. Svennerholm, A.-M. 9304, 9310. Svenson, S.B. 880, 5383, 5402. Svenson, S.B. 880, 5363, 5402.
Svensson, B. 29
Svensson, C. 1959
Svidersky, V.A. 2384,
Svindland, H.B. 2425
Svitichly, J.R. 9943
Svitstova, I.D. 7330, 8324
Svitichly, J.V. 9684
Svoboda, I.F. 2888
Svyadisch, I.F. 1867,
Svyadisch, I.F. 1868,
Swai, V. 3407,
Swaispood, H.E. 61, 63,
Swait, A.A.J. 487, 1201, 1398,
Swaminathan, B. 672,
Swaminiathan, B. 572,
Swaminiathan, M.S. 1348,
Swaminiathan, M.S. 1348,
Swaminiathan, M.S. 1348,
Swanepoel, E. 2028,
Swanepoel, E. 2028,
Swanepoel, E. 2028,
Swanepoel, Swanet, M. N. 3631,
Swatz, M.D. 3594,
Swatz, M.D. 3594,
Swayze, J.K. 4303,
Sweeney, A.W. 1013, 1807, 6591,
6622, 7483,
Sweet, H.M. 3273,
Sweet, H.M. 3273,
Sweet, H.M. 3273, Svensson, B. 29. Svensson, C. 1959 6622, 7483. Sweeney, H.M. 3273. Sweet, R.L. 2432. Sweets, L.E. 1410. Sweiney, A.A. 1813. Sweney, L.R. 866. Swenson, J.M. 3381, 9657. Swenson, R.M. 8334. Swerdlow, R.D. 1878. Swiff, M.J. 514. 8187. 9171. Takahashi, Y 3410, 3432, 6190. Takahata, M. 735. Takai, S. 4152. Takaishi, T. 3427. Swift, M J 514, 8187 Swinborne, T R. 5733. Swinburne, T.R. 3000, 3019,

Swings, J. 362, 419. Switzenbaum, M.S. 5295, 8957. Switzer, G.L. 6908. Switzer, R.L. 7382. Swtzer, R.L. 7382. Sydow, G. 689. Sykes, D.E. 8252. Sykes, R.B. 1609, 7167, 7175 Sylejmann, S. 7778 Syler, J. 2182. Sylvester-Bradley, R. 2333. Sylvester, E.S. 342. Sylvester, B.S. 342. Syl Szaniario, P.J. 9558 Szatmari-Goodman, G. 6843. Szozodrak, J. 5510. Szebiotko, K. 2063. Szerszen, J. 1133. Szewczuk, A. 1893, 2659. Szkolnik, M. 5004. Szkodlarek, L. 820. Szteyn, J. 4795. Szumilo, T. 5498. Szwajcer, E. 1845. Szwerinski, H. 8933.

Tabaqchali, S. 883, 1803, 7089. Tabata, M. 673. Taber, W.A. 8337. Tabib. Z. 1086. Taber, W.A. 8337. Tabib. Z. 1086. Tabor, P.S. 1818. Tabor, P.S. 1819. Tabor, P.S. 1819. Tabor, P.S. 1819. Tabor, P.S. 1819. Tabor, G. 8438. Tabor, G. 8438.

Takakuwa, M. 6385, 6528.
Takamatsu, T. 3818, 5359.
Takamaya, T. 2731.
Takamya, T. 2731.
Takamya, S. 6308.
Takamya, S. 6308.
Takamya, S. 6308.
Takamizawa, K. 4441
Takamori, Y. 5996.
Takaano, M. 9033
Takano, S. 3650.
Takasa, T. 4915.
Takasaki, Y. 80
Takasa, S. 3155, 5877.
Takasaki, Y. 80
Takasa, S. 3155, 5877.
Takasaki, K. 3915.
Takasaki, M. 3660.
Takasawa, M. 3660.
Takayama, T. 3726.
Takayama, S. 203, 9774.
Takayama, T. 2732.
Takebe, H. 9868.
Takayama, T. 2732.
Takebe, H. 9868.
Takayama, M. 5316, 7250, 7605, 8492, 8787.
Takaka, M. 6512, 7250, 7605, 8492, 8787.
Takaka, A. 2742.
Taketa, F. 9149, 9173.
Takeuchi, T. 1963, 6452.
Takeuchi, T. 1963, 6453.
Takeuchi, T. 1963, 6452.
Takeuchi, T. 17449.
Takeuchi, T. 1863, 64216, 6219, 6220, 7452, 8918, 9203, 9778.
Takitani, S. 247.

Tani, H. 928.
Tani, J. 2427, 2435.
Tani, K. 118, 1937, 3426, 3427,
3428, 6194, 6213.
Tani, T. 1353, 3912, 3952.
Tani, Y. 77, 107, 1031, 1861,
1895, 1896, 1982, 3652, 3660,
3731, 4557, 4581, 8204, 8381. 9214 9214
Tanda, M. 3650
Tanda, S. 775, 4299.
Tanda, S. 775, 4299.
Tanguchi, H. 3423, 6520.
Tanguchi, M. 5995, 8791
Tanguchi, T. 511, 2491.
Tanmroto, M. 928.
Tanmroto, T. 6139.
Tanizawa, K. 6308
Tanizawa, K. 2396
Tanizawa, T. 6408
Tanizawa, T. 6408
Tanizawa, V. S. 7418
Taraku, N. 2996, 7654
Taraku, N. 2996, 7654
Tarabuch, Tanizawa, V. S. 7418
Taraku, N. 2996, 7654
Tarabuch, Tanizawa, V. S. 7418
Tarabuch, Tanizawa, V. S. 7418
Tarabuch, T. 6410.
Tanizawa, V. S. 7418
Tarabuch, T. 6410.
Tanizawa, C. 4859.
Tarabuch, C. 4859. Tanida, M. 3650 Tarkka, E. 8660
Tarocco, C. 4859.
Tarodo de La Fuente, B. 4782.
Tarpay, M.M. 727.
Tarr, H.S. 488.
Tasaka, H. 8260.
Tasaka, M. 4104.
Tasahrev, A.V. 787.
Tashrio, F. 8520.
Tashpulator, Zh. 249.
Tashpulator, Zh. 249.
Tassew, A. 2525, 5153.
Tate, K.G. 4073, 4121.
Tate, K.F. 562. 588, 1469.
2381, 3182, 4220.
Tate, R.L., Ill 5912, 5925.
Tatem, B. 6146.
Tatim, S. 721.
Tatim, G. 3732.
Tatim, C. 3732.
Tatim, C. 3732.
Tatim, T. 7316, 9180.
Tatisumi, K. 7316, 9180.
Tatisumi, K. 7316, 9180. 9127. Tanaka, J. 3654. Taylor, R.E. Jr. 2924. Taylor, R.G. 9361. Taylor, R.G. 9361. Taylor, R.G. 9361. Taylor, S.L. 121, 2674. Taylor, T. 6039. Tanaka, K. 934, 1943. 838 Tazoe, M. 1673. Tanaka, T. 4616, 5995, 7044, 9793. Tchoulomjan, A. 8729. Tanaka, Y. 150, 1646, 5279. Tanaka, Y.

Teixeira, L.M. 5429.
Teixeira, M. 74, 4634.
Teixeira, M. 74, 4634.
Teixeira, M. 74, 4634.
Teixeira, M. 74, 4634.
Teixeira, M. 734.
Teixerony, D.M. 67734.
Teitrony, D.M. 67734.
Teitron, C. 738.
Teitron, C. 7388.
Termcharoen, P. 3879.
Termpera, Y.M. 9784.
Temples, S.R. 5052.
Templeton, E. 12283, 5546.
Templeton, E. 12283, 5546.
Templeton, E. 12283, 5546.
Templeton, E. 1289, 3910.
Templeton, E. 1289, 3910.
Templeton, C. 7489, 3910.
T Terech, A. bo4u, Terekhova, L.P. 1487, 2588, 6109, 7992. Terentyev, P.B. 7165. Terentyeva, T.G. 780, 1647, 1678. Terentyeva, T.G. 780, 1647, 1678. Terenzi, H.F. 9074. Teresi, P. 8829. Terl, J.M. 7673. Terhune, S.J. 6697. Terl, J.M. 7673. Terristroem, A. 8498. Terplan, G. 5418. Terracina, F. 902. Terrell, E.E. 373. Terrell, R.N. 261. Terrly, P.G. 199. Tesarova, M. 9534. Tesarova, M. 9534. Tesarova, M. 9534. Tesaria, K. 9670. Teshiba, S. 1847, 8776. Tesniba, S. 1847, 8776. Tesniba, S. 1847, 8776. Taktat, T. 1651, 4399.
Taktatan, S. 287.
Taktatan, S. 288.
Taktan, S. 288.
Taktatan, S. 288.
Taktatan, S. 288.
Taktan, S. 289.
Taktan, S. 288.
Taktan, S. 289.
T Theien, R. 6710.
Thermen, A.P.N. 6405.
Then, R. 5248.
Then, R. L. 2754, 6000, 6035, 8731
Theobald, P.W. 2371.
Theodorou, M.K. 1360.
Theron, J.J. 9889.
Theron, G.K. 4217.
Thiebe, R. 4600.
Thidde, J.M. 4749.
Thiel, K.-D. 3539.
Thiermann, A.B. 8118. Thier, K.-U. 3539. Thiermann, A.B. 8118. Thes. W.G. 545. Thiessen, U. 3762. Thilly, W.G. 3879. Thin, R.N. 883. Thirunavukkarasu, M. 8295.

Thurston, H.D. 1134, 5050, 93: Thyistru, A. 8996. Thyr, B.D. 7750. Tian, B. 6811. Tian, Y.-C. 6811. Tichy, P. 2744. Tideman, K. 311, 7621. Tidwell, R.R. 4316. Tidwell, T.E. 2310, 5871. Tiedje, J.M. 1968. 2011, 4760, 5110, 6648, 8430, 8941. Tameyer W. 3851 5110, 6648, 8430, 894 Tiemeyer, W. 3851. Tien, P. 2154. Tietyen, K.G. 5765, 5767. Tietz, A.J. 7994, 8843. Tietze, E. 3302. Tighe-Ford, D.J. 169. Tigher-Ford, D.J. 169. Tigsen, P. 4475. Tijssen, P. 4475. Tikanmaeki, E. 6252, 6253. Tikhomirov, V.T. 7744.

Thoelen, L. 3060.
Thoernqvist, T. 4454.
Thoerngvist, T. 4454.
Thoerngvist, T. 4454.
Thoerngvist, T. 4454.
Thoerngvist, T. 4456.
Thomas, A.C. 9568.
Tillman, A.M. 6205
Tillman, G.L. 4281.
Tillman, G.L. 4281.
Tillmans, C. 4281.
Tillmans, C. 4477. 5449, 7995, 9911
Tomilar, Y. 3350.
Tomilyama, Y. 4555
T | Timeshame, D. A. 2596, | Timeshame, D. 2596, Racz, B. M. 5072
Trahaker, V. 2590, 9186.
Tlaskalova-Hogenova, H. 2929
Tobar, J. 3929
Tobar, J. 3929
Tobar, J. 3934
Tobar, J. 3935
Tobar, J. 3934
Tobar, J. 3935
Tobar, J. 3934
Tobar, J. 3934
Tobar, J. 3934
Tobar, J. 3935
Tobar, J.

Treuhaft, M.W. 7230. Trevathan, L.E. 1178, 1363. Trevors, J.T 1494, 2378, 5432, 9088 Trevors, K.E. 6676. Tribe, D.E. 7507 Tribe, D.E. 7507.
Trichopoulos, D. 4766.
Trifonova, A. 3519.
Trifonova, Zh.P. 1642.
Trimboli, D.S. 8560.
Trinchant, J.-C. 1501.
Trinel, P.A. 3600.
Trinck, M.J. 1488, 6944. 6963, 9588. Tsitiovan, Tsoneva D.P. Tsoneva C.P. Tsoneva

Tsunezuka, M. 1559, 2433. Tsurumi, K. 8786. Tsuruoka, T. 3716, 4570, 6135. Tsushima, S. 4299 Isushima, S. 4299 Tsutsumi, M. 4290, 4291 Tsutsumi, S. 235, 1066, 1067. Tsuzuki, K. 8820, 8904. Tsvetkov, Ts. 8116. Tsvetkov, V.S. 5396. Tsvetkova, N.V. 3450. Tsvetkova, N.Y. 3450 Tsygankov, A. Lu. 8256. Tsygankov, V.A. 778, 6233, 7123, 7171, 8021. Tsyganova, V.V. 1662. Tsyuryupa, S.N. 7356. Tu, C.M. 579, 3247, 8625, 8704. Tu, J.C. 4933. Tu, S.-C. 2800 Tubaki, K. 2576. Tubb, R.S. 1989, 4547. Tucker, C.L. 598. Tucker, J.F. 2637. Tucker, J.F. 2637. Tueske, M. 2126. Tuite, J. 9451. Tuite, J.F. 6836. Tuite, M.F. 6458. Tukei, P.M. 9011. Tukei, P.M. 9011
Tulskaya, Ye M. 3201, 4226.
Tulchunskaya, V.P. 7957.
Tulinsky, A. 2791.
Tuninsky, A. 3863.
Tumanarova, L. G. 7298.
Tumblad-Johansson, I. 1843.
Tundid, A. 7240,
Tuntoolavest, M. 5304.
Tuomi, P. 4164.
Tuovinen, O.H. 7864, 8709.
Turano, A. 4363. Tuovinen, C.H. 7864, 8709.
Tuovinen, C.H. 7864, 8709.
Turovinen, C.H. 7864, 8709.
Turovinen, C.H. 7869.
Turovinen, C.H. 7869. Turner, R. 3491.
Turner, V. 9322.
Turner, W.B. 3637.
Turnowsky, F. 2437, 6214, 9717.
Turpen, T. 9865.
Turyanov, M.Kh. 8515.
Turyanov, M.Kh. 8515.
Turyanov, M.Kh. 8515.
Turyanov, M.Kh. 8615.
Tushewitzki, G.J. 5344.
Tutelyan, V.A. 6688, 6694.
Tutlane, V. 9672.
Tuttle, J.H. 7404.
Tweardy, D.J. 8817.
Tweel, W.J.J. van den 5467.
Twett, R.C. 1664.
Twett, R.C. 1664.
Twett, R.C. 1664.
Tyagio, S.N.S. 2205.
Tyagiov, B.V. 8865.
Tyler, B. 6184.
Tyler, M.E. 5527.
Tyndall, M. 3347.
Tyndall, M. 3347.
Tyndall, M. 3475.
Tyndall, M. 13475.
Tyndall, M. 13475.
Tyndall, M. 3475.
Tyndall, M. 35868. Author Index

Liste, S. Lordmand)
Sign 913, 2025
Lister, W. H. S. (ed.) 7,205
Lister, W. os. jht, A.M.J.J. 813(130. Vita, A. 9164.
Vitolo, M. 5490.
Vitovskaya, G.A. 1952.
Vitovskaya, G.A. 1952.
Vitozzi, L. 4629
Vitu, C. 2651.
Vives-Rego, J. 1938.
Vizarova, G. 355, 2249.
Viach, D. 8418.
Viadyko, A.S. 1546, 9635.
Viahov, R. 5529.
Viegqaar, R. 6692, 6696, 6698.
6700, 8506.
Vietnock, A.J. 6069. vietyjadr, n. oog-z, oogo, oog Volesky, B. 145, 1052, 7528. Volfova, O. 3258, 3663.

Wagnger, H. 3865
Wagner, F. 4709, 9126, 9160.
Wagner, F. 4709, 9126, 9160.
Wagner, G. 9863.
Wagner, G. 9863.
Wagner, G. H. 576, 5131, 5988.
Wagner, G. H. 576, 5131, 5988.
Wagner, H. N., Jr. 837
Wagner, R. P. 4643.
Wagner, R. P. 4643.
Wagner, R. P. 4643.
Wahlun, M. 2352.
Wahld, M. 3816.
Wahlun, M. 2952.
Wahler, B. 6075, 7229.
Wahren, B. 6075, 7229.
Wahren, B. 6075, 7229.
Wahren, P. 7229.
Wahren, P. 7229.
Wahren, P. 7229.
Wahren, P. 7239.
Walk, M. 5743.
Walk, M. 5744.
Walk, M. 5264, 9786.
Wakka, M. 5264, 9786.
Wakkandor, S. 1534.
Walk, M. 5264, 9786.
Walkandor, S. 352.
Walkasaka, K. 2024.
Walkasaka, S. 1970, 6511.
Walczak, C. A. 843.
Walden, J. 5300.
Walder, M. 7184.
Walder, M. 7184.
Walder, M. 7184.
Walder, R. 3300.
Walder, R. 3300.
Walder, R. 300.
Walder, R. 300.
Walder, R. 300.
Walder, R. 300.
Walder, R. 8308.
Waldorf, R. 4298.

Ward, G.E. 9726 Ward, J.M. 1521, 1523 Ward, L.R. 1540, 7904 Ward, M.G. 7479 Ward, P.C. 150, 7195 Ward, R.L. 791, 7195 Wardlaw, A.C. 7630. Warembourg, F.R. 9603. Warembourg, F.R. 9603. Warne, M. 9044. Warner, M. 9044. Warner, M. 2514. Warner, T. N. 5486 Warner, T. N. 5486 Warner, T N 5486 Warnnissorn, T. 7078. Warnock, D.W. 3624, 5438. Warren, C. 2550, 4378. Warren, C.D. 7440. Warren, H.L. 6986. Warren C.D. 7440,
Warren H.L. 6986.
Warren, J.W. 7073.
Warren, R.D. Jr. 5128.
Warren, R.E. 2426.
Warren, R.E. 2426.
Warren, S.G. 23.
Wartenberg, E. 2933.
Wartenberg, E. 2933.
Wartenberg, E. 2933.
Wartenberg, E. 2935.
Wartenweiler-Burkhard, G. 3892.
Wartenvaara, T. 5972.
Warzywoda, M. 8325.
Was, M. 2247.
Wase, D.A.J. 4442, 8928.
Washington, J.A. Jl. 836, 1598.
2530, 4327, 5270, 7129, 9012, 9947.
Washino, R.K. 6615.

Webster, H.K. 1589.
Webster, J. 3777, 4180
Webster, J.M. 3990
Webster, L.R. 8972.
Webster, R.K. 451, 4959, 7743, 9469: Weseling, D. 4970.
Webster, R.M. 2689, 9462.
Wecklesser, M. 2689, 9462.
Wecklesser, J. 3832.
Wedren, A. 435.
Wedren, A. 435.
Wessells, J. G700. Wedren, H. 2695. Weekes, G.C. 7525. Weeks, G.C. 7525 Weeks, M.G. 9983, 9984 Weeks, R.J. 2723, 4457 Wegst, W. 157, 6656. Wehmeyer, A.S. 3846. Wehner, T.C. 9415. Wei, C. 4721 Wei, C.-F. 6507. Wei, C.J. 17, 7261. Weibel, F. 7629. Weidel, H. 2904, 6655. Weidel Weidemann, G.J. 9418. Weidemann, H.L. 6792. Valench P. 2007.
Vollenky D. 1967.
Vollenky D. 1 Weidemann, H.L. 6792. Weidhass, J. 6925. Weidher, H. 436. Weigel, N. 6415, 6416. Weigele, M. 6193. Weinofen, U. 1150. Weijer, W.J. 7400, 7402. Weijman, A.C.M. 5358. Weil, D. 5321. Weil, R. 3306.

Wesselink, C. 4529. Wesselin, A. 3001. Wessels, J.G.H. 1955. Wessels, J.B.L. 6700. West A.H. 9636. West, A.W. 1007. West, D.R. 8557. West, J.R. 9004. West, M. 9004. West, M. 8097. West, J.R. 2622, 9948. West, P.A. 2622, 9948. West, R.L. 244. West, S.H. 321. West, T.P. 2758. West, T.P. 2758. Westby, C.A. 134. Westbott, B. 2263. Weste, G. 1463, 3901, 1, 1463, 3901, 3901, West, T.P. 2758.
Westby, C.A. 134.
Westcott, B. 2263.
Weste, G. 1463, 3901, 3982, 5668, 5693.
Westerdaal, N.A.C. 741,
Westerdaal, N.A. 9324,
Westerdaal, N.A. 6764,
Wetherall, J.D. 7249,
Westerdaal, N.A. 6764,
Wetherall, J.D. 7249,
Wetherall, J.D. 7349,
Wetherall, J.D. 9013,
Whatl. J.D. 9013,
Whatl. J.D. 9013,
Whealt, D. 9014,
Wheeler, R.C. 486,
Wheeler, R.C. 486,
Wheeler, R.C. 486,
Wheeler, R.C. 486,
Wheeler, R.E. 408,
Whelsan, U.P. 5518,
Whiteber, R. 8393, 6769,
Whittomb, J.M. 3170,
Whittomb, R. 2887,
White, C.A. 8479,
White, C.A. 8479,
White, C.A. 8479,
White, C.A. 8479,
White, C.A. 2649,
White, C.A. 2649,
White, C.A. 2649,
White, C.A. 2649,
White, C. 2646,
Westerdaal,
Wes Weller, D. 4090.
Weller, D. 3052.
Weller, L.D. 3062.
Wellmann, G. 6329, 6330.
Wells, J. 2985.
Wells, J. 3299.
Wells, J. 3299.
Wells, J. 388.
Wells, J. 388.
Wells, J. 388.
Wells, J. 4143.
Wells, J. 5609.
Wells, J. 6672, 6787.
Wells, J. 6897.
Wells, J. 6897.
Wells, J. 6897.
Wells, J. 6897.
Wells, J. 7897.
Wells, J. 78 White, C.A. 8479. White, D.C. 2846, 4466, 5365.

Author Index

Macher Index

Wiskert JL 1984

Wiskert J

Grahlochi, H. 6718.
Grahlmon, A. 2023, 1538, 5539, 24moli, I. 8020.
Grahlmon, A. 2023, 1538, 5539, 24moli, B. 8564, 6314, 24molt, B. B. 8300.
Grahlmon, A. 7361.
Grahlmon, A. 2036, 9180.
Grahlmon, A. 2036, 9180.
Grahlmon, T. 7466, 8223.
24moli, B. B. 8300.
22moli, B. 831, 1911.
24moli, R. 1860.
Grahlmon, A. 2036, 9180.
24moli, B. B. 8300.
24moli



Subject Index

Absttolrs, beef, hot-boning, bacteria contamination, cold storage 244. cattle, brucellosis, hygiene 8072. cattle, salmonellosis, surveys, zoonoses, man 234 chickens, bacteria food contamination 2034. chickens, food contamination, Campylobacter fetus subsp.; chickens, bacteria food contamination 2034.

chickens, food contamination, Camplylobacter fetus subsp.jejuni 2925.

chickens, Salmonella contamination 4845.

industrial effluents effects on soil microorganisms, soils (loam) 2381.

Salmonella contamination, turkeys 2050.

Abelmoschus esculentus,
Fusarium oxysporum f.sp.yasinfectum wilt, disease resistance 7740.
leaf blight, Colletotrichum dematum, pathogenesis 9412.

Ablandi

Ablenol, Ablenol, Ablenol, conversion, Nocardia restricta, (12Z)-labda-12,14-dien-17a-oic acid 6617. conversion, pathways, bacteria 6616. conversion, Alhodococcus erythropoiis, plasmids association 8437.

bacteria, wetwood 6923

dieback, fungi infection, etiology 7784, root rot, mortality, forests 5075.

root rot, mortairty, forests 5075.

Ables alba,
Cylindrocarpon destructans pathogenicity, relationships, biosynthesis, auxins,
gibberellins like compounds 4174.
forests regeneration, association, soil microorganisms, mycorrhizas 534.
leaf litter decomposition, role saprophytes 6906.
leaf litter, fungi decomposition 2301.
litter, biodegradation, Collybia maculata, Collybia butyracea, Collybia distorta
1442.

pathogenicity, Cylindrocarpon destructans, role cytokınıns 5881. root rot, Phytophthora, pathology, incidence 4150. Ables balsames, decay, canker formation, Phellinus pini var.pini, Phellinus pini

var.cancriformass 538.
decay fungi, factors affecting disease resistance 8648.
plantations, Armillariella mellea infection 7788.

Ables concolor,

canker, temperature effects on 4157.
decay, canker formation, Phellinus pini var.pini, Phellinus pini
var.cancriformans 538.
ectomycorrhizas detection association, +Pteridium aquilinum undergrowth 4191.

host range, Heterobasidion annosum 4188. incidence, Echinodontium tinctorium, infection, wounding 546.

incidence, Echinodontium tinctorium, infection, wounding 546. wetwood, Inhibition, Heterobasidion annosum 9517.

Ables frasert, root rot, Phytophthora cinnamomi, metalaxyl disease control 5867. seedlings, bioassays, Phytophthora cinnamomi, soil 324, seedlings, bioassays, Phytophthora cinnamomi, soil 324, soil temperature, inoculum, effects on, root rot, Phytophthora cinnamomi 5872.

Ables laslocarps.

Xerophyllium tenax, Vaccinium scoparium, habitat, relationship Cronartium coloosporioides, bilster rust, Pinus contorta, USA, Idaho 5862.

Ables magnifica.

Ables magnifica, dieback, Cytospora abietis, branches, Arceuthobium abietinum parasitism 5863.

Abscesses, liver, cattle, Fusobacterium necrophorum isolates, antibiotic sensitivity testing 7121.

pigs carcasses, bacteria isolation, characterization 5619.

Abscisic acid.

Cercospora rosicola, biosynthesis, inhibition, gibberellins biosynthesis

inhibitors 3646.

immotors 3040.

effects on Eryspihe graminis f.sp.hordei, haustoria growth, Hordeum vulgare 9347.
production, Cercospora rosicola, factors affecting 2731.
production, Cercospora rosicola, Narcissus extracts effects on 2732.

biosynthesis, Cercospora rosicola, cytokinins inhibition 5531.

Absidia corymbifera, disease control, factors affecting, barley storage 7724.
mycelia morphology, liquid culture, mixing, rheology 9069.

Absidia cylindrospora, cell walls, glucuronans, physicochemical properties 6578.
mycelia, fucomannopeptides, mannoproteins, characterization 7295.

Absidia repens,
chioroheptane-2-one conversion 3801.

Absorption spectroscopy,
cytochrome o folding kinetics, structure intermediates, Saccharomyces cerevisiae
Morphology, acetic acid fermentation, oxygen deficiency of the control of the con

a induction tryptophan synthase α-subunit unfolding, Escherichia coli

Acacia dealbata

forests, soil nitrogen mineralization 523.

Acacia holosericas, stands, nutrient cycles assciation endomycorrhizas 535.

Acacla longifolia, Australia, Rhizobium isolation, characterization 6990

Australia, mizoulini isolation, characteristics.

Acacla pulchella, nitrogen fixation, fires, fertilizer applications, phosphorus effects on 517.

Acanthamoeba polyphaga, grazing, effects on Pseudomonas cepacia nitrogen mineralization 614.

antifungal activity, Mycosphaerella citri 9497

Acarina, role, disease transmission, canker, Endothia parasitica, Castanea dentata, USA, Virginia, USA, West Virginia 6925.

Acaulospora, association, Populus, incidence, USA, Iowa 5851. endomycorrhizas, spores abundance, rhizosphere Glycine max, soil temperature effects on 2332. Acaulospora leevis. re, land reclamation, mines 9541.

identification, use, enzyme-linked immunosorbent assay 7273.

Acer, Verbcillium dahliae infection, temperature effects on growth 2321.

leaves, viruses infection 2309. Acer pseuaoplatanus,

sooty bark, Cryptostroma corticale, virulence 6931 Acer pseudoplatanus,

bark, necrosis, Nectria coccinea, Diplodina acerina, pathogenesis 5071, biodegradation, Nectria cinnabarina, Calosporella innesii, Eutypa acharii.

ecological distribution 4181. leaves, viruses infection 2309

seedlings, endomycorrhizas effects on growth 531

sap, interference biological control, bacteria, Insecta 2831.

Acer rubrum,
Cryptosporiopsis canker, vector-borne diseases relationship Oecanthus

angustipennis 9524. leaf litter, decomposition, soil microorganisms, flooding, nutrient dynamics 4194

Verticillium dahliae infection, stems, water potential, relationship, electrical

properties 2311
Acer saccharum,

stands, cellulolytic microorganisms, wood decomposition, spatial distribution, population levels, bacteria, fungi 6891.

Acetaldehyde, biosynthesis, Saccharomyces cerevisiae immobilized cells, ethanol biosynthesis

Pseudomonas aeruginosa isolation, man, cystic fibrosis 9904. 4-O-(2-Acetamido-2-deoxy-β-D-glucopyranosyl)-D-ribitol, biosynthesis, Staphylococcus aureus 7434

Acetanilid,

conversion, Aspergillus 7561

Acetate kinase, purification, characterization, Bacillus stearothermophilus 6423. purification, characterization, Veillonella alcalescens 8225.

Acetic acid,

Centra acid,
Acetobacter aceti, fermentation, oxygen deficiency effects on 6371.
antifungal activity, wheat post-harvest decay 441
antifungal activity, airborne microorganisms, fungi, synergism, ethanol+sodium
chlonde - essential oils 7115.

cnionea - essential oils 7115.
association, penitrem A, biosynthesis, N.M.R., Penicillium crustosum 6700.
bacteria supernatants, enzymes assays 7234.
carbon sources, Rhodopseudomonas capsulata, hydrogen production 7469.
Clostradium acetobutylicum, effects on glucose fermentation 4726.
decomposition, soil microorganisms, N.M.R. 3664.
fermentation, Acetobacter aceti subsp.aceti, morphology, oxygen deficiency
effects on 8197.

effects on 8197.

effects on 8197.

incorporation. Aspergillus flavus aflatoxin B1, association, biosynthesis 6692.

media (enrichment), bacteria 9880.

metabolism, 2-bromoethanesulfonic acid, 2-chloroethanesulfonic acid, inhibition, methanogenesis, methanogenic bacteria 5136.

N.M.R., sterigmatocystin, biosynthesis, Aspergillus versicolor 6699.

preservatives, antimicrobial activity 706.

production, Clostridium, new species 4572.

production, Pachysoten tannophilus mutants 2733.

reduction, coliforms contamination, Saccharomyces cerevisiae 4773.

reduction, coliforms contamination, Saccharomyces cerevisiae 4773.

reduction, coliforms contamination, Saccharomyces cerevisiae 4773.

role, antagonism, association, metronidazole antibactenial activity, Trichomonas vaginaiis 7090.

substrates, Rhodopseudomonas capsulata, hydrogen production 6386.

Acetic acid bacteria, cytoplasmic membranes, alcohol dehydrogenase (acceptor), purification,

cytoplasmic membranes, alcohol dehydrogenase (acceptor), purification, characterization 4647.

characterization 4647. levane biosynthesis 1955. Acetivibrio cellulolyticus, cellulase, substrate specificity 2799. cellulose hydrolysis 7545. metabolism, growth, cellulose 5585. Acetoscetyl-CoA synthetase, purification, characterization, Zoogloea ramigera 57.

monobactams, biosynthesis, association, sulfur, metabolism 5266, ornithine decarboxylase, GTP sensitivity, spermine biosynthesis 8371.

acetic acid fermentation, oxygen deficiency effects on 6371.

Acetobacter acett subsp.acett,
morphology, acetic acid fermentation, oxygen deficiency effects on 8197.

Acetobacter acett subsp.xyllinum,

Acetobacter liquefaciens, endodeoxyribonuclease Alili, purification, characterization, substrate specificity 7417.

Acetobacter woodli, comparison, Clostridium thermoaceticum, carbon monoxide dehydrogenase, purification, characterization 8262.

Acetobacter xylinum, collosoruthaeie 7429.

cellulose biosynthesis 7473

Lactobacillus production, pyruvic acid effects on 4721. reduction, Klebsiella pneumoniae, 2,3-butanediol biosynthesis 9232. Acetolactate decarboxylaes, Enlerobacter aerogenes, use, beer maturation 136.

Acetone.

biosynthesis, Clostridium acetobutyricum, fermenters 119.

± heat treatments, seed treatments, Fusarium moniliforme elimination, com

production, Clostridium acetobutylicum, continuous culture 1037 production, Clostridium acetobutylicum, continuous culture 1037.
production, Clostridium acetobutylicum, continuous culture, batch culture,
nitrogen limitations 8393.
production, Clostridium acetobutylicum, media (culture) effects on 2660.
production, Clostridium abejiennckii, Clostridium aurantibutyricum 2845.
production, pH effects on, Clostridium acetobutylicum 5563.
1-Acetoxy-2-3-dichioropropane,
hydrolysis, asymmetry, bacteria, yeasts, molds 158.

Achromobacter liquidum, tryotophan, production, growth conditions 8203. 11-Acetoxylsoagatholactone, Spongia officinalis, antibacterial activity 8769. Achromobacter obae, Acetyl ČoA,
biosynthesis, Methanobacterium thermoautotrophicum, carbon dioxide role 7414
N-Acetyl Cysteine,
effects on carbencillin, mezlocillin, antibacterial activity. Pseudomonas
aerugmoas 5281
Acetyl deoxynthesis, Floatium graminearum, grains substrates 8511.
biosynthesis, Floatium graminearum, grains substrates 8511.
Septionyces ramulosus, biosynthesis 8342.
N-Acetyl-Foxotryptamine,
Steptomyces ramulosus, biosynthesis 8342.
Acetyl-Foxotryptamine,
Steptomyces ramulosus, biosynthesis 8342. α-amino-ε-caprolactam racemase, purification, characterization 1890. Achyla, nickel toxicity 1565. nicket toxicity 1965.
Actid antildes, pacteria biodegradation 2898.
Actid phosphatase,
biochemical characteristics, Saccharomyces cerevisiae 7428.
role alkaloids production, Claviceps 7492.
Ustilago esculenta extracellular enzymes, purification 4625. Ostrago escurina extracerioria e recymes, pornicator voz., Acid production, dental caries, plaque index, sodium fluonde, mouthwashes, man 7210. lactic acid bacteria, starter cultures, sourdough 5620. Lactobacillus bulgancus, Lactobacillus casei, y radiation induction muta milk 8200. Acetyl-CoA, assays, use alcohol acetyitransferase, yeasts 5436.
Escherichia coli, bioassays, aminoglycoside antibiotics purification 3415.
Acetyl-CoA acetyltransferase, y radiation induction mutants. Acetyl-CoA acetyltransferase, purification, characterization, selenomethione identification, Clostridium kluyveri 88.

Acetyl-CoA cerboxylase, biotin binding sites, peptide synthesis, interaction, magnesium, N.M.R., Escherichia coli 4632.

Candida lipolytica 8219 purification, characterization, yeasts 8223.

Acetyl-CoA synthetase, purification, characterization, Saccharomyces cerevisiae 8221.

c-N-Acetyl-D-glucosaminidase, Lycopersicon esculentum, defense mechanisms, wilt, Verticullium albo-atrum 4077.

β-N-Acetyl-D-glucosaminidase, Physarum polycephalum, isolation, characterization 3673.

N-Acetyl-Ioline, Epichlee typhina, accumulation, Festuca arundinacea 7499. Phizoburn isolates, Cajanus cajan, Cicer arietinum 7821.
Streptococcus mutans, stannous fluoride effects on 8771.
Streptococcus thermophilus, starter cultures, water content, cheese 8462. Acid rain. Acid rain,

± cadmium± zinc, pollution effects, viability, soil microorganisms 9509.

effects on, Giomus geosporum, interaction, Glycine max 8674.

Glomus fasciculatus stimulation, heavy metals uptake, Ehrharta calycina 7805.

pollution effects, soil microorganisms, leaf litter decomposition, nutrient availability, surfur 9507.

Acid-base regulation, enzymatic activity, soil 3203.

Acid-base status, Acid-nese status, antholotics, aqueous ethanol solutions 5234, nystatin, physicochemical properties 6177.

Acidification, soil, inhibition Verticillium dahliae, root rot, Datura stramonium 6837. n-Acetyl-ioine, Epichloe typhina, accumulation, Festuca arundinacea 7499. Acetylation, butirosin A, Streptomyces fradiae resistant mutant 5164. primaquine, Streptomyces rimosus, Streptomyces roseochromogenus 7458. Acidity, fermentation, Theobroma cacao, methodology, effects on 3842.

+ potassium sorbate, sodium benzoate, effects on heat inactivation, yeasts, fruit primarquine, streptoniyoss linitosus, sueptoniyoss toseculiumoteetus 7.450 Acetylanii effects on nitrification, autotrophic bacteria, heterotrophic bacteria 594. levels, soil, relationship, measuring techniques, denitrifying bacteria activity 8689. inces 5536.

rainfall levels, effects on nutrient balance, soil microarganisms 9514.

soil chemistry, nitrogen fixation, agricultural land, Leguminosae 5956.

soil ph, effects on Trifolium repens, +Rhizobium trifolii symbiosis, measuring tevers, sun, teachers on intrification, soil 617.

pressure effects on nitrification, soil 617.

pressure of reduction,

Azospirillum brasilense, nitrogen-fixing bacteria, measuring techniques 1496.

Azospirillum brasilense, Pennisetum americanum 385.

Azospirillum brasilense, Pennisetum americanum 385.

Azospirillum, Enterobacter, Klebsiella, Pseudomonas, carbon sources, factors affecting 4244.

conversion factors, comparison, nitrogen fixation, soil, water content, nitrogenase activity, effects on 7005.

measuring techniques, Glycine max, field trials 5962.

Medicago sativa, symbiosis, Rhizobium meliloti 2374.

nitrogen fixation, measuring techniques, soil, forests 7835.

nitrogen fixation, measuring techniques, soil, forests 7835.

nitrogen fixation, measuring setchniques, soil, forests 7835.

nitrogen fixation, americanum 9612.

nitrogen-fixition pacteria, phizophere, Sorghum bicolor, Pennisetum americanum 9612.

nitrogen-fixition, soil variations, cultivars effects on, Glycine max 9581.

nitrogen-fixition, soil variations, cultivars effects on, Glycine max 9581.

nitrogen-fixition, pacteria activity, Gramineae 1497.

Rhizobium repens, nitrogen fixation, diumal variations 609.

use, detection nitrogen fixation, diumal variations 609.

use, detection nitrogen fixation, diumal variations 609.

use, detection nitrogen fixation, diumal variations 2756.

Macatyliacopanicillin N.

Streptomyces tokunonensis sp. nov. biosynthesis 3410.

6-Acstylmethylenspencillanic acid,

β-lactamase inholiton 2754.

β-lactamase inhibiton 2012.

Authority 3405. pressure effects on pitrification, soil 617 techniques 4235. Acidophilic bacteria, contamination. Thiobacillus ferrooxidans cell culture, elimination methodology Acids. clinical isolates metabolism, levels, use, diagnosis, anaerobic bacteria infection 894. effects on plant debris biodegradation, microorganisms, lakes, polar environments hydrolysis, Oryza sativa crop residues, production, single-cell protein, Candida tropicalis 9109. orbinicals 9 (19).
Solubility proteins, electrophoresis, relationship, infection, viruses, fungi, Lycopersicon esculentum 2983.
Treatment, Aspergillus flavus-parasiticus infection, Avena, affatoxins biosynthesis 31 1. biosynthesis 311.
waste water, digestion (anaerobic) 2603.
wood hydrolysates, ethanol fermentation, Saccharomyces cerevisiae 4734.
Acinetobacter,
antibacterial activity, β-lactam antibiotics 4340.
antibacterial activity, aztreonam 8881.
antibacterial activity, actreonam 8881.
antibacterial activity, Technologilin, penicillins, cephalosporins 9709.
antibacterial activity, O-demethyflortimicin 4413.
bactena growth, association carbon 8069.
biodegradation, PCB 8429.
clinical isolates, antibacterial activity, ceftazidime, cefotaxime, moxalactam 4365
ermulsan binding uranium. kinetics 7863. 2-Acetylgyridine,
antitubercular agents, antibacterial activity 3310.
2-Acetylgyridine,
+antitubercular agents, antibacterial activity 3310.
2-Acetylgunoline,
+antitubercular agents, antibacterial activity 3310.
D-Acetylserine (Intol-Iyase,
purification, characterization, Candida lipolytica 6406.
Achees janata,
hattagade control. Racillus thuringiansis endotoxins, p Achees Janata, biological control, Bacillus thuringiensis endotoxins, patha chaedrolide, biosynthesis, Achaetomium cristaliferum, structure 5555. Achaetomium cristaliferum, achaetolide biosynthesis, structure 5555. Achaetina fulica, achaetolide biosynthesis, structure 5555. Achaetina fulica, achaetolide biosynthesis, structure 5555. al control, Bacillus thuringiensis endotoxins, pathogenicity 1038. mucin, antibacterial activity, Bacillus subtilis, Staphylococcus aureus, Escherichia coli, Pseudomonas aeruginosa 5185. muturi, anubacteria activity, beautilis sourilis, supplyaced a sansus, Escherichia coli, Resudomonas aeruginosa 5185.

Acholeplasma, incomycin media (selective) 7233.

Acholeplasma taidlawil, biosynthesis, ATP, AMP, ADP 9220.

uracii phosphoribosyttransferase, purification, characterization 9142.

Acholeplasma morum, biosynthesis, ATP, AMP, ADP 9220.

Achotina fullica, vectors, Erwinia canker, Carica papaya, symptoms, Mariana Islands 1222.

Achoreplasma morum, biosynthesis, ATP, AMP, ADP 9220.

Achotina fullica, vectors, Erwinia canker, Carica papaya, symptoms, Mariana Islands 1222.

Achoreplasma growth, association carbon 8069.

biosophorisca for a control provided activity of the control of the contr

delication isolates, ambident activity, eterioratine, cerotaxinie, inchalactarii 4365
emulsan binding uranium, kinetics 7863
food contamination, ripening, salami 2030.
glutamin-(asparagin-)ase, crystallography 7399.
growth, pH, temperature, cooling water, paper mills 7201.
media (selective) 5393.
propylene glycol conversion, pyruvic acid production 3652.
waxes esters production 2841.
Acinerobacter arthtratus,
cephalosporins-aminoglycoside antibiotics antibacterial activity 1607.
Acinerobacter calcoaceticus,
arginine, mutants, ornithine, production 6389.
burn infection isolates, antibiotic sensitivity testing 1597.
cell adhesion, biomass, monitoring, methodology, hexadecane, fermentation 5142.
citrate (s1)-synthase, allosteric properties, diritiotis (succimidy) propionate)
cross-linking effects on 4676.
citrate (s1)-synthase, allosteric properties, subtilisin proteolysis effects on
4677.
clinical isolates, antibacterial activity, cefoxitin, tobramycin, comparison 46/7.

Ghincal isolates, antibacterial activity, cefoxitin, tobramycin, comparison N-formimdoyl thienamycin 7076.

N-formimdoyl thienamycin 7076.

β-lactamase inhibitors, cephalosporins synergism 6133, lipopolysacchandes, lipid A, isolation, characterization 1779. mandelate dehydrogenase expression regulation 8286. penicillin-binding protein, binding clavulanic acid, sulbactam, effects on antibacterial activity 7134. antibacterial activity 7134, polysaccharides, extracellular levels, association emulsification activity 1949, streptomycin resistance markers, transformation, factors affecting 7895. Acinetobacter calcoaceticus subsp.antitratus, clinical isdates, 8-lactam antibiotics, antibacterial activity 7979, norfloxacin antibacterial activity 8760, streptomycin antibiotic resistance markers transformation, taxonomic significance 7905. 7905.
AcInetobacter calcoaceticus subsp.lowffl, clinical isdates, 6-lactam antibiotics, antibacterial activity 7979.
AcInetobacter calcoaceticus subsp.lwoffl, interest calcoaceticus subsp.lwoffl, 7905 Acinetobacter glutaminasificans, glutaminase asparaginase, kinetics, substrate specificity, mechanisms 6543.

Aclacinomycin A, characterization, reviews 769. reduction, NADH dehydrogenase catalysis, Vibrio harveyi 4633. role, DNA biosynthesis inhibition, phage ФX174 9775. Actinomycetes, (continued) rhizosphere microorganisms. Nicotiana rustica age effects on 7795. screening, antitumor antibiotics, purification, characterization, antitumor activity 2825 Acmycin,
purification, characterization, Streptomyces 8017. section 2023

Sewage sludge composts, distribution, thermophilic bacteria 5312.

soil inclosales, collagen hydrolysis, factor affecting 7562.

soil microorganisms, antibiotics biosynthesis, screening, micromethods, radioactive labelling tracers 9882. cone, clinical isolates, Propionibacterium, antibiotic resistance 8736. Acorus calomus, essential oils, antimicrobial activity 2495. Acraeln, soil microorganisms association Glycine max, propachlor effects on 7862 soil microorganisms, population levels, slash and burn 9622, storage, antibiotics sensitivity, morphology 7070. structure, Polysphonuynum.

Acremonium, incidence, drinking water systems 1722. invasion, Trifolium repens 5892. invasion, Trifolium repens 5892. Acremonium chrysogenum, cephalosporin C, proteinase, biosynthesis, nitrogen sources, carbon sources effects on 6140.

Acremonium Chrysogenum, cephalosporin C, relationship, proteolytic enzymes, biosynthesis, growth cephalosporin C, relationship, proteolytic enzymes, biosynthesis, growth structure, Polysphondylium violaceum 7294. susceptibility, Actinomyces, variants, factors affecting 3326.

Actinomycin C, variants, physicochemical properties, Actinomyces 6237.

Actinomycin D, crimomycri J., antiviral activity, effects on protein composition, tobacco mosaic virus, infection. Phaseolus vulgaris 6888. effects on, tobacco mosaic virus, tobacco ringspot virus, tobacco rattle virus, potato leaf roll virus, infection, Nicotlana tabacum, protopiasts 7701. resistance, polyoma virus infected cells. RNA transcription 3306. effects on 6140.

oephalosporin C, relationship, proteolytic enzymes, biosynthesis, growth conditions, effects on 4375.

use, antibiotics production, reviews 5238.

Acremonitum coenophialum, deletection methodology, infection, Festuca arundinacea seeds 9077.

detection methodology, infection, Festuca arundinacea seeds 9077.

Acremonitum crotocinigenum, leatispot, disease control, anilazine, Syngonium podophyllum 1423.

Acremonium dioepyri, extracellular glucans biosynthesis, characterization 5533.

Acremonium roseum,

1–(2,2-3-timethylocylogent-3-en-yl)-propan-2-one conversion 8435.

Acridine orange. Actinomycin IV lation, characterization, Streptomyces elizabethii 4420. Actinomycin V, isolation, characterization, Streptomyces elizabethii 4420. isolation, characterization, streptomyces eitzapenii 4420. Actinoplanes awajinensis subsp.mycoplanecinus, mycoplanecin A, structure 9766. mycoplanecins, solation, physicochemical properties 9790. new taxa, biosynthesis, mycoplanecins, taxonomy 9789. Actinoplanes philippinensis, biosynthesis, isohematinic acid 8902. isohamatinic acid physicochemical properties, antiharteria isohamatinic acid physicochemical properties, antiharteria. Acremonium roseum,
1-(2.2,3-timethylcyclopent-3-en-yl)-propan-2-one conversion e455.

Acridine orange,
effects on polyglutamic acid biosynthesis, Bacillus subtilis plasmids 1846.
use, detection, microorganisms, children blood culture 8140.

Acridone epoxides
biosynthesis, Ruta graveolens callus+fungi mixed culture 7266.

Acrosoxacin,
antibacterial activity, Neisseria gonorrhoeae 8754.

Acrylamide,
Pseudomonas chloroaphis, biosynthesis, aliphatic nitrile hydratase 1982.

Actinobacillus,
recovery, animals, pleural fluid, synovial fluid, media methodology 3609.

Actinoidin,
structure 1841. isohematinic acid, physico chemical properties, antibacterial activity 8903.

Actinorrhizas,
Frankia. ± Glomus mosseae, effects on nitrogen fixation, Casuarina equiestichia 3215.

Frankia aini, nitrogen fixation, Alnus rubra 5958.

Frankia Alnus glutinosa nodulation, growth 5967.

nodulation, nitrogen fixation, Alnus rubra, interaction Populus, biomass, mixed culture, siviculture 9512.

Actinosporangium bohemicum sp.nov,
marcellomycin biosynthesis, antitumor activity 983.

Actinosynnema mirum,
nocardicin biosynthesis 6200.

Activated carbon,
fitters, bacteria growth, organic compounds decomposition, wastewater treatme isohematinic acid, physico chemical properties, antibacterial activity 8903 actinoidine,
ristomycin, amino acid sequence 7165.
Actinomadura,
antibiotic sensitivity testing 6109.
distribution, soils (podzolic), USSR 1492.
ecological distribution, soil, antibiotics, antagonism gram-positive bacteria
1487. filters, bacteria growth, organic compounds decomposition, wastewater treatment microorganisms, removal, organic compounds, water 6255. Vaccinium, effects on mycorrhizas formation 6970. incidence, soil, USSR 5923. actinomyces,
actinomycin C variants, physicochemical properties 6237,
antitumor artibiotics, biosyrithesis, structure 5543,
biosynthesis, benz(a)arnthracene metabolites 2822,
biosynthesis teivazone, structure 8337,
biosynthesis teivazone, structure 8337,
biosynthesis teivazone, structure 8437,
biosynthesis teivazone, structure-function relationship, antimicrobial activity, dental
plaque 5222.
N-formyl-13-dihydrocarminomycin biosynthesis, isolation, structure 5542,
oral cavity isolates, antibacterial activity, metronidazole+spiramycin tablets

BEOLITICAL STRUCTURE STRUCT Activated sludge, aerobic bacteria, respiration measurements 6254 aerouto bacteria, respiration in passaurentenia 5249.

bacteria, extrivir, relationship, sewage mercury concentration 8943.
bacteria, extracellular polymers, heavy metals adsorption 1689.
bacteria films, separation, ultrasound, counting methods 8933.
bacteria, heavy metals tolerance, copper bioaccumulation, wastewater treatment bacteria, heavy metals tolerance, copper bioaccumulation, wastewater treatmer 6248.

bacteria, nopulation, viruses 791.

bacteria, population levels, cell numbers, viability, population ecology 4440.

bacteria, population levels, copulation ecology 4439.

biodegradation, hydroquinone 8427.

carbon sources metabolism, mathematical models 5303.

dentrification kinetics, carbon source 5298.

extracellular polymers, bacteria, heavy metals adsorption 1690.

factors affecting thickness 5304.

feeding patterns, relationship, filamentous bacteria development, association, wastewater treatment 3476.

ferric chloride effects on 4441.

filamentous microorganisms incidence 8974.

flocculation, relationship, ATP levels 9799.

heavy metals accumulation 5296.

inocultum, standardization, biochemical oxygen demand determination, organic chemicals 9802.

lysis bacteria isolation, role decontamination, USSR 8062.

mathematical models 1700.

microorganisms, oxygen uptake measurement methodology 5359.

mitulaism, Cytophaga, Zoogloea 3463.

mitrification systems, grading pressions 4433.

mitrification systems in mitrification growth kinetics 5299.

oxidation, mitrification, growth kinetics 5299.

oxidation, mitrification, growth kinetics 5259.

oxidation, mystems and pressions 4256. 6246 periodontal diseases isolates, antibiotic sensitivity testing 3376. phyllosphere distribution, growth stage, Vicia faba, Glycine max, effects on 6946. 6946.

Phizobum japonicum antagonists 576.
vanants, susceptibility, actinomycin, factors affecting 3326.

tetinomyces bovis,
cinical isolates, keloconazole sensitivity 5183.

tetinomyces canulus,
antibiotes biosynthesis, characterization, comparison, antibiotic CC-1085 780.

tetinomyces lareelli,
clinical isolates, keloconazole sensitivity 5183.

tetinomyces lavendulee,
cholesterol oxidase, purification, characterization, ion-exchange chromatography
6554.

tetinomyces neeslundil, Cottomyces naeslundll, arribacterial activity, Streptococcus mutans bacteriocins 8025. clinical isolates, ketoconazole sensitivity 5183. dental plaque isolates, octenidine dihydrochloride antibacterial activity 3325. dental plaque isolates, octenidine dihydrochloride antibacterial activity 3325. dethomyces viacoaus,
antibacterial activity, Streptococcus mutans bacteriocins 8025. bone resorption, factors, relationship, antigens, characterization 3711. clarical isolates, ketoconazole sensitivity 5183. dental plaque isolates, cotenidine dihydrochloride antibacterial activity 3325. oral cavity isolates, xylifol bacteriostasis 8782. polysaccharides, biochemical characteristiss 2817. recovery, animals, pleural fluid, synovial fluid, media methodology 3609. Actinomycetales, control oracle sensitivity 5183. protein production, breweries, industrial effluents 8932. pyrolysis 4449. quantification, wastewater treatment 6256. relationship, microorganisms feeding patterns effects on glucose metabolism 6247. removal, Salmonella enteritidis 5314. sewage treatment, microorganisms distribution, microorganisms, distribution, activated studge, sewage treatment 787. sewage treatment, microorganisms distribution, models 8948. sewage treatment, models 8949. solid wastes, digestion (aerobic) 1691. solid wastes, methanogenessis, digestion (anaerobic) 1692. sonication effects on particles size 1702. steel industries, wastewater treatment, 506. Chricial isolates, rectaining case is considered to the considered isolates biosynthesis, substrate specificity 975.
actyclase biosynthesis, substrate specificity 975.
artagonists, use, disease control, Lycopersicon esculentum, Citrullus vulgaris, Fusarium wilt 1354.
Fusarium wilt 1354. Fusarium wit 1354. antibiotics biosynthesis, role nuclease, proteinase, α-amylase 7123. asymmetry hydrolysis, 1-acetoxy-2,3-dichloropropane 158. contamination, cigarettes, Cannabis sativa 8172. detection, artitumor antibiotics, screening methodology 2581. ferrioxamine H, structure 8387. gold, biogeochemistry 7013. humus complex phosphate, nutrient availability, fertilization, agricultural land 0005. steel industries, wastewater treatment 5306 temperature effects on 7198. treatment, chemicals wastes, bioreactors 9804 wastewater treatment 5307. wastewater treatment, aeration tanks activity 8965. wastewater treatment, aeration tanks, oxygenation effects on 789. wastewater treatment, pesticides effects on 6240. wastewater treatment, sesticides effects on 6240. wastewater treatment, sampling methodology, viruses detection 6251. 9025 ; Solation, Alnus nodules, rhizosphere, antibiotic sensitivity testing 664. levorin biosynthesis, relationship, Candida tropicalis culture extracts 6233. metabolitas, production, media (selective) 4706. nodulation, soil pH, phosphorus effects on, Alnus glutinosa 555. proteolytic enzymes biosynthesis 8293. protoplasts, membrane fusion, recombination, technology 5422.

fungi, drug sensitivity testing 4308.

Acyclase,
Actinomycetes, biosynthesis, substrate specificity 975.

Actinomycetes, biosynthesis, substrate specificity 979.

Acyl carrier protein,
Escherichia coli, purification, immunoabsorption chromatography 8193.

Acyl-(acyl-carrier-protein) synthetase,
purification, characterization, Escherichia coli 8246.

Acyl-CoA carboxylase,
Mycobacterium tuberculosis, Mycobacterium bovis, purification, characterization

purification, characterization, Candida tropicalis 7427.

purrilication, characterization, candida ropicalis /4e/. Acyl-CoA synthetase, isoenzymes, purfication, characterization, Candida lipolytica 8222. Rhodopseudomonas palustris, isoenzymes 6519. 3-Acyl-4-hydroxy-6-methyl-2H-thiopyran-2-ones, derivatives, bromination, antibacterial activity, artifungal activity, Staphylococcus aureus. Candida albicans 2493.

derivatives, bromination, antibacterial activity, antitrungal activity, Staphylococcus aureus, Candida albicans 2493.

Acytellinines, resistance, Phytophthora infestans, New Zealand 7880.

N-Acyteminosulfonates, gliding bacteria, purification methodology 4509.

Acyture/dopenicillines, antibiotic antagonism, cephalosporins, antibacterial activity, in vitro 6144.

Acyrinosiphon pisum, depraissonis, anadeceta desay, Acyrinosiphon pisum, disaase transmission, pea enation mosaic virus, bean yellow mosaic virus, Pisum sativum 2101.

satururi 201.

pea enation mosaic virus acquisition, infectivity, transmission 2107.
pea streak virus transmission, Medicago sativa, Pisum sativum 3908.
potato leaf roll virus, disease transmission, feeding behavior, permethrin,
deltamethrin effects on 8526. vectors, disease transmission, pea enation mosaic virus, Lathyrus odoratus 342. vectors, disease transmission, potato virus Y, plant disease 9400.

derivatives, antiviral activity, influenza A virus, tissue culture 7949.

Addicts,

isolate, Staphylococcus aureus, methicillin resistance, susceptibility strains, antibiotic sensitivity testing 3393.

Adelges, association, mycorrhizas, soil pH effects on, Boreiria reticulata 1472. grazing, fungi, association Larix defoliation 540.

Adenine,

biodegradation, soil 5890. dimethylation, Streptomyces erythraeus, association erythromycin antibiotic resistance 638.

resistance 638.
metabolism, Brevibacterium ammoniagenes, ATP biosynthesis 7494,
nutrient requirements, Rhizobium melilioti, auxotrophy mutants, nodulation,
Medicago sativa 961 c.
stimulation endonuclease, extracellular enzymes, Staphylococcus aureus 7329.
triostin A binding 8030.
Adeniae arabinoside,
antiviral activity 6063.
production, Enterobacter aerogenes, immobilized cells 981.
Adenosine,
derivatives, effects on rhabdovirus replication 6068.
phosphorylation ratio, soil microorganisms 4220.
Adenosine arabinoside,
drug sensitivity testing assays, herpes simplex virus 1, herpes simplex virus 2
6075.
Adenosine nucleotides.

60/5.
Adenosine nucleotides,
inhibition 4-hydroxybenzate 3-monooxygenase, Pseudomonas fluorescens 8275.
Adenosine (phosphate) deaminase,
Bacillus cereus, substrate specificity 1934.
Adenosine phosphorylase,
Bacillus cereus, substrate specificity 1934.

Bacillus céreus, substrate specificity 1934.

AdenosInstriphosphatase,
activity, correlation, drug resistance, Schizosaccharomyces pombe 8748.
amino acid sequence, Streptiococcus faecalis 1911.
antibiotic MF722-02 inhibition 3422.
bacteria, bioluminescence assays, blood culture, use, bacteremia diagnosis 8125.
DNA dependent, purification, characterization, Bacillus cereus 8264.
hydrodynamics, fluorometry, thermophilic bacteria 1879.
mitochondria, Totypocladium inflatum elvapeptin inhibition 5.
N,N'-dicyclohexylcarbodiimide binding subunits, purification, characterization, cell membranes, Bacillus subtilis 2833.
purification, characterization, Rhodopseudomonas palustris, Rhodopseudomonas sphagacides 9170.

purification, characterization, Rhodopseudomonas palustris, Rhodopseudomonas sphaeroides 9170.

purification, characterization, vacuoles, Saccharomyces carlsbergensis 45. stabilization profeins, amino acid sequence, mitochondria, yeasts 8274.
β-subunit, phosphate binding sites, 4-azido-2-nitrophenyiphosphate photoaffinity labelling, Eschenchia coli 4687.

S-Adenosylhomocysteine, analogs, effects on, RNA biosynthesis, mRNA, methylation, vaccinia virus 3349.
Adenovirus, antipera defection, immune adherence hemagglutination 9846.
antiviral activity, quaternary ammonium compounds 1571.
contamination, crops, leaves, recovery methodology 1767.
DNA, preparation methodology, infected cells 9017.
tissue culture, immunofluorescence staining methodology 9845.
Adenovirus (canine).

tissue culture, immunofluorescence staining methodology 9845.

Adenovirus (canine),
antiviral activity, food wastes fermentation, Lactobacillus acidophilus,
Saccharomyces cerevisiae 7595.
canine distemper virus, parvovirus (canine), parainfluenza virus, Leptospira,
bacterins, vaccines, immunogenicity, dogs 8924.
combined vaccines, antibody response, dogs 3449.

Adenovirus (human) 17,
antiviral activity, 2-anino-5-(2"N-methyl-sulfamidophenyl)-1,3,4-thiadizole,
derivatives 9693.

Adenovirus (human) 17, (continued)
synthetic compounds antiviral activity 6064.
Adenovirus (human) 5,
5-amino-2-(dimethylaminoethyl)-benzo-[de]-isoquinolin-1,3-dione antiviral

activity 3358. antibody response, detection, enzyme-linked immunosorbent assay, man 3544. plaque assay 5372. ribavirin, antiviral activity 7948.

nbavinn, antiviral activity /948. Adenylate cyclase, activation, eukaryotes, association, Escherichia coli enterotoxins, biosynthesis, plasmids role 7642. calmodulin activation, Bordetella pertussis 7349. characterization, Saccharomyces cerevisiae plasma membranes 932. Escherichia coli, deletion mutant, transduction methodology 5401.

Adenylylation, glutamine synthetase, Chlorobium vibrioforme 7319. Adhesives,

Rhizobium meliloti seed treatments, inoculation, Medicago sativa 8681. Adineta,

redation, Cephaliophora navicularis sp.nov., soil 9545.

predatio Adiposin, antibacterial activity, antifungal activity, oligosaccharides inhibition 2569. isolation, physicochemical properties, Streptomyces calvus 5277.

Streptomyces calvus, biosynthesis 2568. Adiposin-1.

Streptomyces calvus, synthesis 7282

Adjuvants, sprays, biological control, pathogens, nuclear polyhedrosis virus, Heliothis zea 5547.

Adonitol. protection, lactic acid bacteria, freeze-drying 2686.

protection, tactic acid bacteria, freeze-drying 2686.

Adoxophyes orana,
biological control, nuclear polyhedrosis virus, association granulosis virus
effects on Cydia pomonella 8354
larvae, biological control, nuclear polyhedrosis virus 8358.

ADP,
binding pyruvate kinase, Neurospora crassa 1931.
biosynthesis, Mycoplasmatales 9220.
inhibition lactate dehydrogenase, Phycomyces blakesleeanus 1905.

ADPglucose synthetaes.
Phodopseudomonas sphaeroides, purification, characterization 93.
5-Adrenergic blocking agents,
effects on turbidity, Escherichia coli cell suspensions 2442.
Adriamycin,
artibacterial activity, structure-activity relationships, Bacillus subtilis,

Adriamycin, antibacterial activity, structure-activity relationships, Bacillus subtilis, Escherichia coli, Proteus mirabilis 4404. antitumor activity, antimicrobial activity, ascorbic acid, dimethyl sulfoxide, effects on 8033. Aecidlum osteospermi, infection, Chrysanthemodes monilifera subsp.monilifera, pathogenesis 427. Aeciospores, inoculum, Cronartium quercuum f.sp.fusiforme, rust, etiology, Quercus 2322, inoculum, Cronartium quercuum f.sp.fusiforme rust, Quercus seedlings 544. Aedes aequotti. edes aegypti,
Bacillus thurngiensis, Bacillus thunngiensis subsp.israelensis sporas, toxicity

4713 biological control, larvicides, factors affecting, Bacillus thuringiensis 8380.

cell culture, isolation, identification, yellow fever virus 9835. geographical variations, susceptibility, endotoxins, Bacillus thuringiensis, India 293

larvae, Bacillus thuringiensis subsp.israelensis treatment pathogenesis 3721. larvae, biological control activity, Bacillus thuringiensis, Bacillus sphaericus cell culture 7486.

ceil culture 7486. larvae, biological control activity, Bacillus thuringiensis, Bacillus sphaericus ceil culture 8349 larvae, biological control, Bacillus sphaericus 6611. larvae, biological control, Bacillus thuringiensis crystals, potassium carbonate effects on 4717.

larvae, biological control, histopathology, $\delta\text{-endotoxin},$ Bacillus thuringiensis 1019.

pest control, pathogenicity, environmental effects, Bacillus thuringiensis 295. Aedes albopictus, geographical variations, susceptibility, endotoxins, Bacillus thuringlensis, India 293.

inoia 293.
larvae, biological control, Bacillus sphaericus 6611.
Aadea caspitus,
larvae, biological control, Bacillus sphaericus 6611.
Aedea taeniorhynchus,
biological control, Bacillus thuringiensis, salt marshes 7461.
biological control, Culicinomyces clavosporus, Lagenidium giganteum 2834.
Aedia narraficis. Aegie marmelos.

ential oils, antifungal activity, Fusarium lateritium f.sp.cajani 6062.

eration, arr filtration, stenlity, fermentation 7119. bioreactors, Hansenula polymorpha, Escherichia coli, reviews 8084. composting, sewage studge 8937. effects on Aspergilius niger, citric acid biosynthesis 3644. fermenters, Streptomyces aureofacens, tetracycline biosynthesis 8870. induction phages lysis. Bacillus thuringiensis subsp. thuringiensis, culture 6314. Streptomyces impegs, oxipteracycline production, 4302. Streptomyces rimosus, oxytetracycline production 4392 yeasts, fermenters 7519.

Aeration tanks.

activity, wastewater treatment activated sludge 8965. wastewater treatment, oxygen absorption 4437. wastewater treatment, oxygenation effects on activated sludge 789.

Aerial applications,
Bacillus thuringiensis, role, interaction, Apanteles melanoscelus, Lymantria

dispar 3/22.

chlorothalonii, disease control, Phaeocryptopus gaeumannii needlecast, Pseudotsuga menziesii, USA, Washington 6879.

Aerial photography,

I.R. radiation, Solanium tuberosum blight detection 1252.
identification, barley yellow dwarf virus, Aphididae, infection, Triticum aestrum 6762.

Aerobacter aerogenes, cell culture, Corydalis sempervirens tissue culture, glyphosate resistance 8743.

Aerobacter eerogenes, (continued)
exo-maltohexachydrolase, immobilization, radiation methodology 9177.
Aerobic bacteria,
activated sludge, respiration measurements 6254. antibacterial activity, cefotetan, cefotaxime comparison 4348, cefotaxime, moxalactam, antibacterial activity comparison, antimicrobial agents 6126, drinking water isolates, antibiotic resistance, streptomycin 1533, fouling organisms, antibacterial activity, antifouling substances, metals, sea water 151. lactic acid biosynthesis 8206. levels, Fagus forests soil horizons, seasonal variations 524, media (culture), counting methods, apparatus 7213. mezclocilim antibacterial activity 6149, niridazole antibacterial activity 6149, niridazole antibacterial activity, anaerobic bacteria, niridazole antibacterial activity, anaerobic bacteria, niridazole antibacterial activity, anaerobic bacteria, niridazole activity 3328 activity 3328. pigs wastes biodegradation, heat output 2888. population dynamics, waste treatment, animal wastes, lagoons 4434. sepsis isolates, antibiotics resistance 8729. swabs transport methodology 2685. temperature effects on antibacterial activity, antibiotics 1603. archibic anditions. Swatza transport methodology 2605.

Itemperature effects on antibacterial activity, antibiotics 1603.

Aerobic conditions, and antibacterial activity, antibiotics 1603.

Aerobic conditions, progress and a second antibiotics and a second activity and activity bacteria growth, association carbon 8069. clinical isolates, antibacterial activity, ceftazidime, cefotaxime, moxalactam 4365 R factors, animal isolates, Pisces 3275. feces isolation, media (culture) 9896. food contamination, ripening, salami 2030 food contamination, ripening, salami 2030.

Aeromonae hydrophila,
antibbacterial activity, ciprofloxacin 9661.
antibiotic sensitivity testing, Autobac test 9731.

N-formimidoyl thienamycin, cefoxitin, antagonism cephalosporins, β-lactamase induction 7059.
indicator species, association, drinking water, waste water, water sources 797.
isolation, serwage sludge 6248.
lactic acid biosynthesis 8206. lactic acid biosynthesis 8206.
lipopolysaccharides, carbohydrate composition, structure 6577.
nalidixic acid antibacterial activity, comparison, Enterobacteriaceae 9673.
proteinase, extracellilari enzymes, purification, characterization 2764,
proteinase production, culture systems effects on 2805.
Aeromonas hydrophila subsp.proteolytica,
aminopeptidase, active sites, characterization 8255.
Aeromonas phenologenes,
electrodes, use tyrosine measurements 6303.
Aeromonas proteolytica,
aminopeptidase, active sites characterization, chemical modification 956.
Aeromonas proteolytica subsp.proteolytica,
aminopeptidase, nickle(II), copper(III), substitution effects on activity 8277.
Aeromonas asimonicida,
antibacterial activity, oxolinic acid 8763.
cell surface membrane proteins, purification, physicochemical properties 7
cell surface membrane proteins, purification, physicochemical properties 7 antibacterial activity, oxolinic acid 8763.
cell surface membrane proteins, purification, physicochemical properties 7290.
estracellular enzymes, proteinase, purification 9171.
glycerophospholipid-cholesterol acytransferase, substrate specificity 1884.
pigments an alysis, aerobic conditions 8392.
proteinase analysis, aerobic conditions 8392.
eromonas asimohardicida subsp.salmonicida, subsp.salmonicida, between the proteinase of the activities of the protein subsp.salmonicida subsp.salmonicida proteins de proteinase asimohardicida subsp.salmonicida proteins de proteinase protei Aeromonas sobris, biochemical characteristics, isolation, drinking water, chlorination 6262. Aerosols, Aerosols,
Bacillus globigii spores, inactivation, microwave radiation 9706.
bacteria, characterization, factors affecting viability, reviews 8115.
coliforms, Cyanophyta phages, wastewater treatment, indicator species 9796.
disinfectants, airborne microorganisms 5346.
disinfectants, sanitation, nosocomial environments 806.
Escherichia coli, dispersion, screening, methodology 7237.
vaccines, Newcastet disease, anitbody response, chickens 7188.
Corynespora casiicola leafspot 2192.
Aeschynanthus putcher,
Corynespora casiicola leafspot 2192.
leafspot, Myrothecium rondum 5747.
Aeschynomene, Asschynomene, stems, nodulation, Rhizobium, characterization 7836. stems, noculation, rinizodurii, characerization 7656.

Asschynomene Indica,
nitrogen fixation, Rhizobium, growth conditions 3244.

Asschynomene virginica,
weed control, Colletotrichum gloeosporioides f.sp.aeschynomene 2835.
weed control, Oryza sativa, biological control, Colletotrichum gloeosporioides
f.sp.aeschynomene 6630. f.sp.aeschynomene 66:50.

Aessoaporo,
enzymes, electrophoresis 74:22.

Affinity chromatography,
Fusarium graminearum galactose oxidase purification, characterization 73:64.
hydrolases purification, reviews 1898.
lectins, isolation, infectious anemia virus envelopes glycoproteins 80:97.
purification, membrane vesicles, pili, Neisseria gonorrhoeae 8:35.
veasts aspartate aminotransferase 18:56.

endo-1,3(4)-β-D-glucanase, Basidiomycetes 8302.

Affinity labelling, fatty-acid synthetase, use tetrahydrocerulenin, Cephalosporium caerulens 8883. Aflatoxicosis, ediatoxin B1, feeds contamination, pigs 3866. animals, interaction, metals, dietary intake, reviews 4900. animals, interaction vitamins nutrition 4899. Aspergilius parasiticus, bread 2065 Aflatoxin 81. [latoxin B1, Aspergillus flavus, acetic acid incorporation association biosynthesis 6692, carcinogenesis, liver, rats, proteins nutrition effect on 4902, contamination, gram 7516, contamination, Spodoptera frugiperda pest outbreaks, drought effects on, Zea mays 4887 987.
detection, feeds, gel chromatography 2067. detection, feeds, gel chromatography 2067. detectication, ammonium hydroxide, sodium hypochlorite, sodium hydroxide, mutagenicity, toxicity 276 leeds contamination, aflatoxicosis, pigs 3866. lood contamination, flour 276. lood contamination, nour 276. food contamination, flour 277. food contamination, oils, assays 275. formation, Aspergillus flavus, Aspergillus parasiticus, sporulation, rice 2946. levels, effects on chickens metabolism 3882. α radiation treatment, detoxification, mutagenicity testing 3879. toxicity, mycotoxins pretreatment effects on, Drosophila melanogaster 7617. Aflatoxin B2, food contamination, flour 277.
pretreatment, Drosophila melanogaster, effects on aflatoxin B1 toxicity 7617. Aflatoxin G, Aspergillus parasiticus, bread 2065. Aflatoxin G1, nent, Drosophila melanogaster, effects on aflatoxin B1 toxicity 7617, Aflatoxin M. food contamination, dairy products, cattle 2938. Afiatoxin M1, Aspergillus, detection, high-performance liquid chromatography, dairy products 7614. contamination, levels, ripening, cheddar cheese 281. contamination, levels, ripening, cheese 282. cow's milk, cattle feeding regimes, Gossypium hirsutum seeds ammoniation, effects on 2945 on 2945 detection, milk powder 6693. gel chromatography, detection, milk 5642. levels, contammation, cheese, ripening effects on 280. milk, inactivation, hydrogen peroxide, ± riboflavin, ± peroxidase 285. toxicity, bioassays, milk 3877. loxicity, bioassays, milk 3877. THAOXINS, aurbome particulates, assays, food contamination, com 4886. aarbome particulates, anticoagulatis 8507. Aspergillus, effects on deoxyribonuclease, Mammalia 7613. Aspergillus flavus, Aspergillus parasiticus, detection, Zea mays, characterization 8509. characterization 8509.
Aspergillus Flavus, contamination, Triticum aestivum 3872.
Aspergillus flavus, cocurrence, Zea mays, USA, Louisiana 7626.
Aspergillus flavus, production, media methodology 1101.
Aspergillus flavus sclerotia, association, evolution 3715.
Aspergillus parasificus, accumulation, Carya illinoensis, pecans yield effects on 3871. Aspergillus parasiticus, biosynthesis, cereals, oilseed crops, O-vanillin inhibition 3874. inhibition 3874.
Aspergillus parasiticus, biosynthesis inhibition, Nα-palmitolyl-Lysine-ethyl ester dihydrochoride role 9290. binding, albumin, charactenzation 299. bioassays, use Lilium longifforum pollen 5641. biosynthesis, Aspergillus 4901. biosynthesis, Aspergillus 4901. biosynthesis, Aspergillus 4901. biosynthesis, Aspergillus 5645. biosynthesis, Aspergillus flavus, Aspergillus parasiticus, antifungal activity, plant extracts, Agave sisalana 5645. biosynthesis, Aspergillus flavus, Aspergillus parasiticus, fatty acids effects on 6701. biosynthesis, Aspergillus flavus, association oxygen limitations 7621. biosynthesis, Aspergillus flavus, cotton post-harvest decay 5648. biosynthesis, Aspergillus flavus, relationship, nitrification 1103. biosynthesis, Aspergillus flavus-parasiticus infection, Avena, acids treatment 311.
biosynthesis, Aspergillus, growth, butylated hydroxyanisole, butylated hydroxytoluene, tertiary butylhydroquinone, propyl gallate effects on 5646. biosynthesis, Aspergillus parasiticus, oliseed crops 1096. contamination, Arachis hypogae, factors affecting 2941. contamination, Arachis hypogae, factors affecting 2988. contamination, beer, hops 2937. contamination, beer, hops 2937. contamination, corn, association, water content, assays, USA, South Carolina 2021. contamination, milk, milk products, toxicity, cattle, reviews 283. contamination, peanuts 3870. contamination, peanuts 3870.
contamination, peanuts, quality control 2940.
contamination, tandards, reviews 2942.
contamination, Zea mays, breeding effects on 3880.
com feeds contamination, rats 8494.
detection methodology, food contamination, plants 6688.
effects on egy production, chickens 4886.
food contamination, com, peanuts, high-pressure liquid chromatography detection 3883 (contamination, corn, USSR 5652, food contamination, Egypt 4885 (contamination, Egypt 4885 (contamination, pecans, weather effects on, USA 6672 grain dust, grain elevators 7619 (contamination, pecans, weather effects on, USA 6672 grain dust, grain elevators 7619, high-performance liquid chromatography, fungi, milk products 3875, inhibition, Aspergillus parasiticus, insecticides role, Zea mays 8557, levels, Zea mays, disease resistance 5653. production, Aspergillus flavus, Aspergillus parasiticus, herbicides effects on 7620. production, Aspergillus, growth, Boletus edulis, Agaricus bisporus 8501. production, Aspergillus parasiticus, relationship, asexual reproduction 3864 removal, sodium chloride - heat treatments, peanuts 6689. toxicity, me

Aggiutination, (continued) receptors specificity, use, identification, Escherichia coli+pili 880. Rinzobium leguminosarum interaction Victa faba lectins, 2,4-D, 2,4,5-T, effects Aflatoxins, (continued)
urine, man, detection methodology 1100. Africa. Cucumis melo, squash mosaic virus infection 1237. tropical environment, organic matter decomposition, soil microorganisms 4186. on 8692 on 8692 sheep red blood cells, antibodies coatings, detection, rotavirus (human) 9856. staphylococcus protein A, assays, rotavirus 8105. Streptococcus, identification 4499. tests, methodology, Mycoplasma, Salmonella pullorum, Newcastle disease virus Africa, East, epidemics, Solanum tuberosum late blight 420. Poaceae rust, incidence 9365. Foacoae rust, incidence 9365.

Agar

Agar vaccines 2648.
use, detection, Salmonella typhi antigens, feces isolates association typhoid fever 841. serotyping, Shigella dysenteriae, Shigella boydii 5405. Glycine max leaves, disease resistance, Pseudomonas glycinea 3128. Glycine max, relationship disease resistance, Phytophthora megasperma var.sojae 1371. Agglutinins, Solanum tuberosum, hypersensitive response, wilt, Pseudomonas solanacearum 3127 Aging. corganisms, metabolism interaction, association, Triticum cultivation 3943 microorganisms, metabolism interaction, association, Triticum cultivation 394 Agitation,
effects on Aspergillus niger, ctiric acid biosynthesis 3642,
effects on Aspergillus niger, ctiric acid biosynthesis 3644,
effects on oxyletracycline biosynthesis, Streptomyces rimosus 2563,
fermenters, Aspergillus niger, pelleting, morphology 6637.

Agiaconema commutatum,
leafspot, Myrothecium roridum 5747.

Agmatine oxidase,
Pencillitum chrysogenum, purification, characterization 1861.

Agricultural ecosystems,
nitrogen cycle, Oryza sativa 3224,
nitrogen cycle, Oryza sativa 3224,
nitrogen cycle, plantations, Coffea 3217.
nutrient sources, nitrogen fixation, linga jinicuiil, Coffea 3226,
soil microorganisms, regulation, biogeochemistry, nitrogen cycle 3221.

Agricultural land,
fertilization, nutrient availability, phosphate, humus complex, actinomycetes,
fung 9625.
soil chemistry, acidity, nitrogen fixation, Leguminosae 5956.
soil microorganisms, insecticides effects on enzymes activity 5969.

Agricultural practices,
burning, soil microorganisms, population levels 9622.
Cephalosporium gramineum stripe incidence, Tritcum aestivum 4960,
disease sporporium gramineum stripe incidence, Tritcum aestivum 4960,
disease spread, plant diseases, viruses, reviews 2978.
effects on, cellulose biodegradation, cellulolytic microorganisms, crop fields Agitation, Agaricales, ecomycorrhizas, evolution, reproductive strategy 9535. low molecular weight metabolites, taxonomic significance, evolution 5461. Agaricus, fungi infection, disease control, prochloraz 4118. Agaricus, tungi infection, disease control, prochloraz 4118.

Agaricus bisporus, agarithe characterization 3725.
agarithe isolation, high-performance liquid chromatography methodology 2712.
catechol outdase, photoinactivation 9178.
cellulase biosynthesis, relationship, mycelia growth 6559.
Chaetomium olivaceum biological control, Bacillius use 3052.
cultivation, composts, reviews 9281.
cultivation, ignocellulose degradation, nutritive value, reviews 7596.
dry bubble disease, Verticillium, pathogenicily 2218.
growth, Aspergillus, aflatouns production 8501.
mycella, chitin synthase isolation, characterization 4624.
nucleic acids levels, mushroom poisoning relationship 1961.
nutrition, association, microorganisms boimass, straw composts 2923.
6-phosphortuctokinase stimulation, fructose 2,6-bisphosphate role 9130.
Pseudomonas tolaasii, attachment, scanning electron microscopy, blight 3051.
volatiles, aroma compounds, chemical composition 4772. effects on, cellulose biodegradation, cellulolytic microorganisms, crop fields effects on, incidence, bunt, Neovossia indica, Triticum aestivum, 1159. effects on incidence, Gaeumannomyces gramınis, var.tritici, take-all, Triticum aestivum 9361 effects on pathogenicity, Botrytis cinerea rot, Vfts vinirera muits, UGA, California 7685 effects on soil microorganisms, biomass, enzymatic activity, crop fields 5980. Effects on soil microorganisms, biomass, enzymatic activity, crop fields 5980. Fragaria vesoa era doore disease control, association, fenaminosulf, dazomet 1415. meadows, bacteria biomass, soil, microsphere, litter 9594. nitrate mineralization, soil microorganisms, seasonal variations 8684. research programs, symbiosis, Leguminoseae, Rhizoblum, Latin America 3227. soil amendment, waste water, microbiology, bibliographies 2607. soil microorganisms, mycotoxinis, conferences 6368. soil-borne diseases, reviews 7646. use, microorganisms, books 8174. use, vesicular-arbuscular mycormizas, symbiosis, plants, reviews 4188. vesicular-arbuscular mycormizas inoculum production, nutrient uptake 9540. Agricultural products, methanogenesis 8963. effects on pathogenicity, Botrytis cinerea rot, Vitis vinifera fruits, USA 6661.

Agaricus bitorquis,
dry bubble disease, Verticillium, pathogenicity 2218.

Agaricus brunnescens,
cultivation techniques, reviews 5814.
cultivation, technology, species use, USA, reviews 4825.
nutritive value, characterization 3446.

Agaritine,
characterization, Agaricus bisporus 3725.
isolation, Agaricus bisporus, high-performance liquid chromatography methodology 2712. media, Bacillus sphaericus growth, sporulation 9041.

Agriculture wastes,
slage effuents, digestion (anaerobic), methanogenesis 8963.

Agrimonia pilosa,
roots, extracts, antimicrobial activity 8800.

Agrobacterium,
agrocin resistant mutant, mutation frequency 2417.
crown gali, Carya illinoensis, pathogens characterization, biological control,
use, Agrobacterium radiobacter, USA, Georgia 3971.
crown gali induction, plants 4928.
media (selective) 7256.
plants pathogens, preservation, gels+cold storage 2688.

Agrobacterium radiobacter,
biological control, crown gali, Agrobacterium tumefaciens, Phaseolus vulgaris
2838.
extracellular polymers, polysaccharides structure, 9198. 2712.
Agerose,
Thiobacillus denitrificans entrapment, nitrate, reduction 874.
Agave siselane,
leafspot, viruses 7698,
plant extracts, antifungal activity, aflatoxins biosynthesis, Aspergillus flavus,
Aspergillus parasiticus 5645. Age, Allium cepa leaves, relationship, Alternaria porri infection sensitivity 4009. effects on Manihot esculenta blight, incidence, development, Xanthomonas manihot effects on mortality, Amanita phalloides mushroom poisoning, man 9280. Hordeum vulgare, association, disease resistance, powdery mildew 6857. leaves, effects on disease resistance, Hemileia vastatrix, leaf rust, Coffea extracellular polymers, polysaccharides structure 9198.
monobactams, biosynthesis, association, sulfur, metabolism 5266.
Polysaccharides, carbohydrate composition, seed treatments, inhibition
damping-off, Pythium ultimum, Beta vulgaris 7710.
soil bactenostasis 3179. leaves, effects on disease resistance, Hemileia vastatrix, leaf rust, Coffea arabica 4976.

leaves, Solanum überosum, disease transmission, potato leaf roll virus, Myzus persicae 2182.

Nicotiana rustica, effects on rhizosphere microorganisms 7795.

rielationship, Pinus sylvestris leaves, fungi infection 4177.

Rhizobium japonicum cell culture, effects on infectivity, Glycine max 2112 toxicity, factors affecting, Bacillus thuringiensis, Culex quinquefasciatus, Aedes aegypti. Anopheles aibimanus, Anopheles quadrimaculatus 8380. soil bactenostasis 3179.
use, biological control, Agrobacterium crown gali, Carya illinoensis, USA, Georgia 3971.
Agrobacterium radiobacter var.tumefaclens, crown gali, Gossypum hirsutum roots 1307.
Agrobacterium rhizogenes, agrocin resistant mutant, mutation frequency 2417.
virulence plasmids, transfer methodology, R factors use 4488.
Agrobacterium tumefaclens, agrocin, purification, host range, biological control, crown gali 4716. agrocin resistant mutant, mutation frequency 2417. attachment mechanisms, Asparaquis officinalis, factors affecting 7687. crown gali, biological control, Agrobacterium radiobacter, Phaseolus vulgaris 2838. Aedes aegypti, Anopheles albimanus, Anopheles quadrimaculatus 8380. Agglutinatition, assays, Escherichia coli pili antigens 5383. Brucella antibodies 4484. detection, enterotoxins, Escherichia coli 9305. detection, enterotoxins, Escherichia coli 9301. detection, enterotoxins, Escherichia coli 9311. laractirs, Ceratocystis limbinata spores, isolation, characterization, Corocasia esculenta black rot 4993. dentification, Shigelia flexmeri, Shigelia boydii 4483. lpomea balatas, roots, extracts, Ceratocystis fimbriata, spores, host specificity, black rot 3095. Leptospira biflexa antigens, immunodiagnosis, Leptospirosis, man 5380. Leptospira, micromethods, standardization, antigens concentration association 7260. measuring techniques, Vibrio cholerae toxins, Escherichia coli enterotoxins 937. 2838 2838, crown gall, cell adhesion, initiation Helianthus 3060, crown gall, Chrysanthemum morifolium 1306, crown gall, Chrysanthemum morifolium 1306, crown gall, Nicotiana tabacum DNA organization 2202, crown gall, Nicotiana tabacum Environemum 2202, crown gall, plant cells binding, host range 2977 crown gall, plant genetic engineering 9318, crown gall, temperature effects on, Helianthus annuus, Kalanchoe 8574, desaes spread, rhizosphere, roots, Cucumis sativus 4997, extracellular polymers, polysaccharides structure 9198. measuring techniques, Vibrio cholerae toxins, Escherichia coli enterotoxins 9302. methodology, detection, rubella virus antibodies 9838. methodology, Streptococcus group D identification 9935. methodology, Streptococcus groups, antigens use 3583. +introus acid extraction, diagnosis, Streptococcus pharyngitis, man 9905.

Agrobacterium tumefaciens, (continued) isolation, galls, sap, Vitis vinifera, pathogenicity 5744 superoxide dismutase activity, in vitro, in vivo, Bryophyllum calycinum crown gall 5013 gaii b013.

Ti plasmid, crown gail, genetic engineering 5788.

Ti plasmid DNA analysis, Nicotiana tabacum crown gail 7690.

Ti plasmid DNA, detection methodology 9980.

Ti plasmid, infection, plants, gene transfer 4922.

tumors induction, Kalanchoe, osmotic pressure effects on 4029. Agrochemicals, effects on, Trichophyton ajellor, biodegradation, wool 5593. Agrocin, Agrobacterium tumefaciens, purification, host range, biological control, crown gall 4716, resistant mutant, Agrobacterium, mutation frequency 2417. resistant mutant. Agrobacterium, mutation frequency 2417.
Agroclavine-1,
Penicillium corylophilum, biosynthesis 1973.
Agropyron intermedium,
nutritional status, smut, Cochilobolus sativus, effects on 8548.
Agropyron frachycaulum,
association, vesicular-arbuscular mycorrhizas, strip mines, soil amendment,
effects on, spores 1480.
roots, vesicular-arbuscular mycorrhizas colonization, soil amendment,
resventition, land reclamation, mines 9542. roots, vesicular-arbuscular mycorrhizas colonization, soil amendment, revegetation, land reclamation, mines 9542.

vesicular-arbuscular mycorrhizas, petroleum sand 5916, vesicular-arbuscular mycorrhizas, petroleum sand 5916, vesicular-arbuscular mycorrhizas symbiosis, mines soil+soil amendment 4203.

Agrostis palustris,
biight, Pythium ultimum, predictions, climatic conditions 9362
Gaeumannomyces graminis f.sp. avenae, infection, pathology 5713, pathogenicity, Rhizoctonia zeae 5701.
Sclerotium roffsii infection, disease control, antifungal agents 1397.

Agrostis tenuis,
biight, Sclerotium roffsii, basidiospores, role, pathogenesis 9339. dollar spot, Scierotinia homoeocarpa, resistance, iprodione, benomyl 6010. dollar spot, Scierotinia rioritoccaria, vasacione, pagetum, granulosis virus, production methodology, biological control 8359. larvae, mass rearing, production, granulosis virus, biological control 9211. Allanthus excelsa, leafspot, Phoma medicaginis var.pinodella, India 2221. Air, composition, effects on, grey mold, Botrytis cinerea, Fragaria chiloensis var. ananassa 5028. drying sludges, association, viruses infectivity 7195. filtration, sterility, aeration, fermentation 7119, flortand-mouth disease virus sampling, methodology comparison 6291. Air flow, filtration, fermentation 9003. filtration, sterilization, fermentation 8348.

Air pollution, if pollution, carbon monoxide oxidation, bacteria 9795. ozone effects on Formes annosus pathogenicity, Pinus roots 541. pollution effects, fungi, plant diseases, mortality, forests 6926. sensitivity, Pinus strobus, relationship Verticoladiella procera roots infection. Pissodes approximatus, Hylobius, infestation 5866. sutfur dioxide, effects on early blight. Lycopersicon esculentum 681 suffur dioxide, effects on soil microorganisms, forests 5854. entum 6819 sultur doxide, enects un social management and approximate analysis, Pyricularia penniseti, leafspot, Pennisetum typhoides 4000. Deuteromycetes, media (culture) 4512. Fusarium moniliforme, contamination, Asparagus flowers 9414. Alr-water Interface, aquatic microorganisms, isolation, ponds, scanning electron microscopy, observation techniques 8088. Alrhorne bacteria, sampling, laboratories 1729. Alrhorne mercorganiams, antimicrobial activity, synergism, ethanol+sodium chloride+acetic acid+essential oils 7115.

Aspergillus flavus, respiratory tract isolates, man, hospitals, relationship, buildings construction 3493.

Deuteromycetes, media (culture) 4512.
disinfectants aerosols 5346.
fungi, infecton, wood, burning effects of public health, man 4454.
fungi, nosocomial environments 5340.
fungi, mosocomial environments 5340.
fungi, mosocomial environments 2636.
pathogens, control. operating theaters 7206.
poultry processing, association, chickens feces 1727.
samplers methodology 25444.
sampling methodology comparison 7214.
varicella-zoster virus, varicella, man, nosocomial environments, disease spread 3490.

bacteria growth, association carbon 8069, dentirfication, hydroxylamine, pyruvic oxime, ntric-oxide reductase, nitrate reductase, soil 596; indole biodegradation 8450, pesticides (organophosphorus) hydrolysis phosphatase, purification 2773, styrene dimers biodegradation 7558. symbiosis, algae, photosynthesis, starch biosynthesis 3708. Alcaligence actrophus, hydrogen dehydrogenase, purification, characterization 4591. lactate dehydrogenase, purification, characterization 4591. lactate dehydrogenase, purification, characterization 4591. lactate dehydrogenase, purification, characterization 6488. + Pseudomonas putida, mixed culture, arsenic oxidation 2383. Alcaligence faecalis, azurin, N.M.R. 920. biodegradation, 3-cyclohexencarboxylic acid 1053, β-glucans, chemical modification, antitumor activity, mice 7448. immobilized cells, β-glucosidase activity 4585. media (culture) 5411. Alcaligence faecalis var.myxogenes, extracellular polymers, polysaccharides, production 3712. Alcohol acetyltransferase, yeasts, use assays, acetyl-CoA 5436. Alcohol acetyltransferase, activity, Lactobacillus, effects on milk flavor 7587. activity, yeasts, immobilized enzymes, bioreactors 7361. 3-chloroacetylpyridine-adenine dinucleotide inactivation, yeasts 934. Gluconobacter suboxydans, purification, crystalization 3683. inactivation, NAD analogs, yeasts 4627. kinetics, ironill) activation, 2/momonas mobilis 7407. oxidation, ochratoxin A metabolites 4894. Pseudomonas aeruginosa 7406. Saccharomyces cerevisiae immobilized cells, NADH regeneration 4801. yeasts, bioassays, bile acids 4504. 2mc binding, polarography, yeasts 6496. Zymomonas mobilis, purification, characterization, association, ethanol production 6487.

Airborne particulates, aflatoxins, assays, lood contamination, com 4886. Aluga replane, lood contamination, com 4886. Ajuga replane, ingspot, association, tobacco streak virus, broad bean wilt virus, cucumber mosaic virus, affalfa mosaic virus 3043.

antibiotic synergism, cephalexin, index, fractional inhibitory concentration 7989

Alamethicin, structure, N.M.R. 8036. Alamine aminotrensferase, activity, rhizosphere microorganisms, factors affecting 5911.

Alanine, biosynthesis, Corynebacterium dismutans, immobilized cells 9133, enantiomers, ratio, detection methodology, gas chromatography 7240, peptides, binding erythromycin A, antibacterial activity 1632.

L-Alanine,

biosynthesis, Pseudomonas dacuhae immobilized cells 2745. production, Escherichia coli, Pseudomonas dacunhae, aspartate ammonia-lyase. L-aspartate-β-decarboxylase 927.

detection, cell surface, Staphylococcus aureus 1834.

Alarm pheromone,

derivatives, effects on disease transmission, beet yellows virus, potato virus Y, Myzus persicae 3108.

Alatospora acuminata

biodegradation, Populus tremuloides, leaf litter 8045 Albocycline,

structure. X-ray crystallography 3441

Albomycine, d.D., U.V. spectroscopy, mass spectroscopy, N.M.R., Streptomyces 2573.

structure, C.D., U.V. spectroscopy, mass spectroscopy, N.M.R., Streptomyces 2573. Albomycin 82, structure, C.D., U.V. spectroscopy, mass spectroscopy, N.M.R., Streptomyces 2573.

Albugo occidentalis. blue mold, Spinacea oleracea disease control, metalaxvi+chlorothalonil treatment

Albumen supports, bactericidal activity, enzymes immobilization 9668.

5064 Albumin

binding, aflatoxins, characterization 299.

cattle serum, Haemophilus influenzae polysaccharides conjugate, hydrodynamics, light scattering 978.

ingin scanding yrd. Its light yrd. Its

. Alcaligenes, antibacterial activity, β-lactam antibiotics 4340, antibiotic sensitivity testing, nosocomial infection, man 6098, bacteria growth, association carbon 8069,

denitrification, hydroxylamine, pyruvic oxime, nitric-oxide reductase, nitrate reductase, soil 596.

Alcohol dehydrogenase (acceptor), mechanisms, role pyrrolo-quinoline semiquinone, R.S.R., Hyphomicrobium 2789, purfication, characterization, cytoplasmic membranes, acetic acid bacteria 4647. Alcohol oxidase,

inactivation, Hansenula polymorpha, selectivity, high-performance liquid chromatography 98.

Alcoholic beverages, colonche, fermentation, Saccharomyces cerevisiae, Candida valida, biochemical characteristics 243.

food quality, yeasts culture effects on 1050. production, enzymes use, USSR 6677.

Alcohols,

iconois, association, methylketone, production, Nocardia paraffinica, Brevibacterium, Pseudomonas fluorescens 7460. derivatives, enantromers separation, use alkaline phosphatase, Escherichia coli

8289

8289
fermentation, use, grain, association, noncooking methodology 1045, production, yeasts, fermentation 7517.
Aldehyde dehydrogenase, soenzymes, purification, characterization, Pseudomonas aeruginosa 4650.
Rhizobium japonicum, purification, activity 22.
Aldehyde dehydrogenase (NAD(P)*), purification, characterization, Saccharomyces cerevisiae 4648.
Aldehyde dehydrogenase (NADP*), purification, characterization, Proteus vulgaris 4649.
Aldehydes, Aldehydes,

Aldehydes, hydrogenation, Clostridium, immobilized cells 10.

luminous bacteria, isolation, characterization 8372 Aldicarb,

effects on, rhizosphere microorganisms, Rhizoctonia solani, Verticillium albo-atrum, wiit, Solanum tuberosum 1512. Aleuria aurantia.

lectins, purification, physicochemical properties 6377.

Alfalfa mosaic virus,

detection methodology, sap, plants 2990, host range, plant diseases, Lycium 3085, roteins 1333, infection, hypersensitive response, leaves proteins 1333, infection, Medicago sativa, epidemiogy, Aphididae vectors 5696, infection, Pachysandra terminalis, symptoms, new records 1241.

Alfalfa mosaic virus, (continued)
infection, Trifolium repens, pathology, association, Aphididae filters prevention
transmission 1147.
infection, Vits vinifera 3068.
infection, Vits vinifera 3068.
infection, yield reduction, Medicago sativa 2102.
Medicago sativa disease reservoirs 3929.
mixed infection, ± grapevine fanleat virus, ± strawberry latent ringspot
virus, Vits vinifera 2178. New Zealand 9317.
plant diseases, host range, New Zealand 9317.
nngspot, Jugua reptans 3043.
Trifolium repens, Medicago sativa, plant diseases, pathology 2996.
Algae, Aillum, (continued), do compounds, induction, sclerotia formation, Sclerotium cepivorum 4001. Sclerotium cepivorum, white rot, Bacillus subtilis, use, biological control 6592. Sclerotium cepivorum white rot, disease control, vapam 9492. Scierotum ceprorum, white rot, Bacillus subtilis, use, biological control 6592. Scierotum ceprorum white rot, disease control, vapam 9492.

Altium cepa.

blight, Bortytis squamosa condia release, weather relationship 5771.

cultivars, symptoms, scaid, Alternaria porn 3988.

dew, temperature, effects on, Julian 1986.

food processing, microtispic special 1986.

Glorispic special Infolium repens, muunagy sauro, palation monitoring, sewage effluents 2614, growth, relationship, wastewater treatment nutrients removal 5329, single-cell protein, nutritive value, production, economics, technology 9107, soil, Antarctica 1475, symbiosis, bacteria, photosynthesis, starch biosynthesis 3708, wastewater treatment ponds, population growth, symbiosis, bacteria 2605. Alianate Ivane. Alginate yase, biosynthesis, aquatic bacteria isolation 97.

Alginic acid, biosynthesis, Pseudomonas aeruginosa mucoid form 2746, biosynthesis, Pseudomonas aeruginosa mucoid form 2746, propylene glycol, use, enzymes immobilization 6557.

Alicaligenes faecalis, immobilization, polyacrylamide polymerization 9970.

Aliphatic nitrile hydratase, Arthrobacter, purification, characterization 1895.
Pseudomonas chloroaphis, acrylamide biosynthesis 1982. Alkaline phosphatase,
Escherichia coli, biosynthesis, relationship structure, biochemical characteristics 8294. characteristics 8294.
Escherichia coli, subunit association, formamide effects on, metalis role 2770.
Escherichia coli, use enantiomers, separation, alcohols derivatives 8289.
Glomus fasciculatum, roots, Arachis hypogaea 6947.
levels, vesicular-arbuscular mycorrhizas, roots, Vigna unguiculata 9560.
purification, characterization, Bacillus vitellinus 3700.
role alikaloids production, Claviceps 7492.
role, Streptomyces griseus streptomycin biosynthesis 2557.
Vibrio cholerae, activity, rifampion antibilotic resistance 6018. Allum porrum, endomycorrhizas colonization, growth, phosphorus nutrient availability effects on Vibrio cholerse, activity, ifampicin antibiotic resistance 6018.

Alkaloida.

Alkaloida. 9543 9945. Glomus mosseae symbiosis, carbon uptake 1471. nutrient uptake, phosphorus, nutrient availability, endomycorrhizas 9544. stunt, methyl bromide fumigation induction, endomycorrhizas role growth 5913. sturit, metryl bromioe furnigation induction, endomycormizas Allium sativustumivity, Coxiella burnetti infection, chickens 668. extracts, antifungal activity, Bacillus cereus 1549. extracts, antifungal activity 336. viruses elimination, menstem tip culture 1385. Allolobophora calignosa, effects on soil, respiration, enzyme activity 5103. Allomatformin. physicochemical properties. Aspergillus niger 766. physicochemical properties, Aspergillus niger 765.

Allopurinol,
association 5-fluorocytosine susceptibility, fungi 8790.

Allosafric properties,
citrate (si)-synthase, subtilisin proteolysis effects on, Acinetobacter
calcoaceticus 4677.

Alactale dehydrogenase, E.S.R., Lactobacillus casei, Lactobacillus curvatus 39. Allygus mayri,
vectors, disease transmission, mycoplasma-like organisms, stunt, Rubus 2169. 7500 Allyl alcohol, treatment, Phellinus weirii infection, Pseudotsuga menziesii 545. Alkanal monooxygenase (FMN-linked), assays, bacteria 9163. Anus,
Frankia isolates characteristics 2227.
Frankia isolates characteristics 2227.
nodules, rhizosphere, Actinomycetes isolation, antibiotic sensitivity testing assays, bacteria 9103.
bioluminsoence kinetics, mechanisms, Vibrio harveyi 7390.
heat inactivation, bacteria 6479.
Alkane 1-monooxygenase,
isolation, Pseudomonas putida cell disruption, n-alkanes oxidation 5507. Alnua crispe, colonization, Frankia, Alpova diplophloeus, Hartig net 7776. Isolation, Facusonomic, effects on autolysis 7867.
Candida guilliermondii, effects on autolysis 7867.
epoxidation, hydroxylation, methylotrophic bacteria 4761.
nutrient sources, Candida oleophila biomass production, fermenters 7535.
Pseudomonas putida, biodegradation 626.
tulization, Saccharomycopsis lipolytica, association, citric acid biosynthesis colonization, Frankia, Alpova dipiopinoeus, Hartig net / Alhus glutinosa, growth, nodulation, soil ph, phosphorus effects on 555, nodulation, Frankia, actinorrhizas, growth 5967, nodules, Frankia, plasmids 560, stem canker, Phormopsis ainea 5668. Alnus Incana, roots nodules, nitrogen fixation, ammonium effects on 3220. n-Alkanes, metabolism, Candida 5996. oxidation, Pseudomonas putida cell disruption, alkane 1-monooxygenase isolation Afinus rubres, actinorrhizas, Franku alni, nitrogen fixation 5958.
nodulation, nitrogen fixation, interaction Populus, biomass, mixed culture, silviculture 9512. Alkanna hirautiasima,
shikonin-β,β-dimethylacrylate, antibacterial activity, Micrococcus
luteus, Staphylococcus aureus, Bacillus subtilis 7081. nodules, nitrogen-fixing bacteria, measuring techniques, acetylene reduction, gas exchange 1496. exchange 1496.
Alnus rugose, Frankia, Alpova diplophioeus, Hartig net 7776.
Alpine environments,
Jaustria, leaf litter organic matter biodegradation, microorganisms 9556.
Dictyostelium, ecological distribution 1482.
Dictyostelium, species composition, ecological distribution 1479.
Alpova diplophioeus,
Hartig net, Frankia colonization, Alnus crispa, Alnus rugosa 7776. Alkense, epoxidation, hydroxylation, methylotrophic bacteria 4761, epoxidation, mydroxylation, methylotrophic bacteria 4761, epoxidation, methane monoxygense, formate dehydrogenase role, generation NADH, Methylosinus 6474.

Alkyl dimethylbensyl ammonium chloride, Escherichia coli, effects on, cytoplasmic membranes, ribosomes 5184.

Alkyl phenoxypropandioles, effects on, microorganisms, membrane permeability, enzymatic activity 7957.

1-Alkyl-1,4-dihydro-7-methyl-4-oxoquinoline-3-carboxylic activity 7957.

1-Alkyl-1,4-dihydro-7-methyl-4-oxoquinoline-3-carboxylic activity.

4-Alkylarythiopyrazoles, antibucerial activity 2435.

Alkylbenzene sulfonates.

blodegradation, microorganisms, association, aromatic compounds 1997. Alkenes, Alternaria, biodegradation, microorganisms, association, aromatic compounds 1997.

Alkyldimethylberayl-ammonium chlorides, antibacterial activity, antifungal activity 7910.

Alkylpyridinium lodides, antimicrobial activity, Escherichia coli, Micrococcus luteus, yeasts 1587. Allelopathy, phytotoxins, Polygonum aviculare 8683. Allergenicity,
Paecilomyces varioti proteins feeds, occupational exposure, man 7607. Alllum Botrytis allii, infection, cytofluorometry 3975. mycorrhizas, competition, interspecific relationships, Glomus 5894.

ternaria, (continued)
plant diseases, phytotoxns disease resistance, India, reviews 1369,
post-harvest decay, cantaloupes, control, use, benomyl+guazatine 6835
post-harvest decay, disease control, fungicides, cantaloupes 1399,
soaps contamination 2641. Amanita. posst-harvest decay, disease control, fungicides, cantaloupes 1399, soaps contamination 2641. Sport of the posst-harvest decay, disease control, fungicides, cantaloupes 1399, soaps contamination, iprodione, thiophanate methyl, effects on 7765. loxicity, association, black tip, nor 3863. ternaria afternata, antifungal activity, Uryopersicon lycopersicum pollen 8605. blight, Pisum sativum 1136. effects on seads germination, Phaseolus mungo 3924. effects on seads germination, Phaseolus mungo 3924. growth, Helianthus annuus, dew, temperature, light, effects on 6800. infection, passitiona edulis, brown spot, characterization 399. infection, passitiona edulis, brown spot, characterization 399. infection, passitiona edulis, brown spot, characterization 399. infection, para radiata, biodeterioration, seed-borne diseases 3915. latent infection, role, post-harvest decay, mangos 6834. leaf blight, Ecipita alba 857. leafspot, Cymbopogon martin 3981. leafspot, Cymbopogon martin 3981. eleaf blight, Ecipita alba 857. leafspot, Cymbopogon martin 3987. stemarta braselices effects on 8707 stem rot, association, benomyl, disease control, blue mold, Penicillium expansum, Pyrus communis 9373. ternaria braselices, seed crops, British Isles, surveys 4042. ternaria casaleicos, seed crops, seed to the production for the Amanita muscaria, pigments, column chromatography 2949.

Amanita phalloides,
mushroom poisoning, age effects on mortality, man 9280.
mushroom poisoning, man 178.
phallolysin, isolation, physicochamical properties 9312.
phallotoxins, resistance, mice, fibroblasts 5502.
toxins, mushroom poisoning treatment, man 5612. Amantadine. Amantadine,
antivral activity, influenza A virus 3359,
antivral activity, influenza A virus 3361,
drug resistance, influenza A virus, plaque assay 9635,
drug resistance, production, influenza A virus, variants, methodology 1546,
injection, disease control, appie mosaic virus, Malus pumila 9500,
Amanthus caudatus,
cactus virus X isolates characterization 5019,
Amaranthus spinosus,
host plants, Phomopsis, new records, Brazil 6826,
Amatoxin. Amatoxin, radioimmunoassay, Amanita 2954. Amber mutant, Tizzo.

ternaria cucumerina,
leaf blight, Cucumis melo, disease control, factors affecting pesticide
applications 3150. mice 9715.

American plum line pattern virus,
infectivity, Prunus 394.
Ames test,
growth conditions, toxicity levels effects on 9022.
Gyromitra esculenta gyromitrin metabolites, N-methyl-N-formyl hydrazine
mutagenicity 6708. applications 3150.

ternaria dausi,
papications 3150, itemaria dausi,
ternaria dausi,
ternaria dausi,
ternaria dausi,
ternaria dausi,
ternaria dausi,
ternaria helianthi,
biight, inoculum production, Helianthus annuus 5746.
deoxyradicinin, structure 2967;
infection, disease resistance, Helianthus 5766;
infection, Helianthus annuus, factors affecting 6799,
infection, Helianthus annuus, leafspot, stem spot 1255.
sporulation, survival, Helianthus annuus infection 7712.
ternaria kilkuchiana,
phytotoxins, structure 301. Lactarius necator aqueous extracts 8467.
Salmonella, methodology, mutagenicity testing 845.
Salmonella typhimurium concentration, effects on mutation 9023. Amethocaine, antibacterial activity 7926. antibacterial activity, Escherichia coli 6051. Amicetin, Amicoumacins,
Bacillus pumilus biosynthesis, antibacterial activity 2586.
Bacillus pumilus, structure 4402. infection, pathogenesis, Gossypium barbadense, cotyledons, susceptibility 9391 infection, pathogenesis, Gossypium barbadense, cotyledons, susceptibility 9391
ternaria parnaz,
ternaria par Amidase, Arthrobacter, purification, characterization 1896. Amidines, derivatives, antiviral activity, respiratory syncytial virus 4.116.

Amilkacin,
antibacterial activity, Mycobacterium tuberculosis 2454.
antibacterial activity, Servatia marcescens 4384.
antibiotic resistance, gram-negative bacteria clinical isolates 4281.
antibiotic sensitivity testing methodology comparison, gram-negative bacilli

4011. early blight, Lycopersicon esculentum, sulfur dioxide air pollution effects on 6819.

early blight, Lycopersicon esculentum, suffur dioxide air pollution effects on 6819.

leaves lesions, Lycopersicon esculentum, measuring techniques, computer applications, video image analysis 4924.

hytotoxins, phytotoxicity, cell culture, plant cells 3902.

seeds, fungioides effects on, Capsicum annuum 5832.

storage conditions, effects on, infection, Solanum tuberosum 4007.

temperature, relative humidity, effects on, infection, wound healing, solanum tuberosum 4003.

temperature, relative humidity, effects on, infection, wound healing, solanum tuberosum 4003.

temperature, relative humidity, effects on, infection, wound healing, solanum tuberosum 4003.

temperature, relative humidity, effects on, infection, wound healing, solanum tuberosum 4003.

temperature, relative humidity, effects on, infection, wound healing, solanum tuberosum 5051.

temperature, production, Tagetes erecta phytotoxicity 9392.

temperature, seeds germination, Vigna catjung 3919.

temperature sepeljalna, solanum tuberosum 5051.

tercomonase pateljalna, solanum 5050.

te

Amines, armatics, biodegradation, aerobic conditions 8436. pridoxaminaphaphate oxidase activation, mechanisms, yeasts 6553. pridoxaminaphaphate oxidase activation, mechanisms, yeasts 6553. Amino acid analysis, prosphortuctokinase subunits, Saccharomyces cerevisiae 941. Amino acid analysis, prosphortuctokinase subunits, Saccharomyces cerevisiae 941. Amino acid composition, Clostridium tetani toxins, comparison light chains, heavy chains 4906. fructose-bisphosphate aidoiase. Staphylococcus 7388. Horderin vulgare, association, disease resistance, powdery mildew 68: neurotoxins, Clostridium botilium britium proper E \$390. Pencillium, commune, sindle-cell protein 4856.

Aluminum tris (-0-ethyl phosphonate, disease control, Phytophthora parasitica root rot, Citrus paradisa 5065.

amatoxin radioimmunoassay 2954

manita muscaria, effects on, growth, Picea sitchensis, Picea glauca 530, growth, cadmium, lead, nickel, effects on 3189, mycorrhizas, inoculation, seedlings, trees 5857, pigments, column chromatography 2849.

Escherichia coli, polA gene, characterization, enzymes isolation 7379. Ambrosia artemesiifolia,

stunt, bacteria, pathology, vectors 8576.

eafspot, Pseudomonas syringae pv.tagetis 5003.

learsport, Pseudomonas syringae pv.tagetis 5003.

Amdinocillin, antibacterial activity, Enterobacteriaceae 9636.
antibiotic sensitivity testing, relationship treatment, experimental infection, mice 9715.

s coeruleoaurantiacus, production, isolation, characterization 1676.

ives, antiviral activity, respiratory syncytial virus 4316.

antibiotic sensitivity testing, Pseudomonas aeruginosa 1600. antibiotic sensitivity testing, Pseudomonas aeruginosa, methodology comparison

antibiotic sensitivity testing, Pseudomonas aeruginosa, methodology comparis 9781.

9781.

antibiotic synergism, azlocillin, Pseudomonas aeruginosa 8849.

antibiotic synergism, carbenicilin, piperacillin, antibacterial activity, Pseudomonas aeruginosa 755.

bacteria antibiotic sensitivity testing 7984.

bactericidal activity, Paramacokinetics, in vitro 4386.

biosynthesis, Bacillus circulans, kanamycin A metabolism 6157.

2 ceftazidine, serum bacteriocidal activity, Pseudomonas aeruginosa, Kelosiella pneumolae et activity, Pseudomonas aeruginosa, Robertia coli. Enterobacteriacae, Pseudomonas aeruginosa 7986.

Schleichen coli. Enterobacteriacae, Pseudomonas aeruginosa 7986.

Schleichen coli. Enterobacteriacae, Pseudomonas aeruginosa, antibacterial activity, Streptococous facealis 3417.

N-formimidoyl thienamycin, antibacterial activity, gram-negative bacilli, Staphylococous aureus 1660.

N-formimidoyl thienamycin, antibiotic synergism, Pseudomonas aeruginosa, Klebsiella pneumoniao 3944.

β-lactam antibiotics inactivation 6108.

§-lactam antibiotics inactivation 6108.

§-lactam antibiotics antibiotics synergism, Pseudomonas aeruginosa, Enterobacteriaceae 640.

resistance, transposon Tn2424 mediation, Pseudomonas aeruginosa, Escherichi 7899.

resistance, transposon Tn2424 mediation, Pseudomonas aeruginosa, Escherichia coli 7899

Amine dehydrogenase, purification, physicochemical properties, substrate specificity, subunit structure, Thiobacillus, Methylophilus methylotrophus 64.

Amine oxidase (flavin-containing), physicochemical properties companson, Candida utilis, Pichia pastoris 8240.

Amines, physicochemical properties companson, Candida utilis, Pichia pastoris 8240.

Hordeum vulgare, association, disease resistance, powdery mildew 6857. neurotoxins, Clostridium botulinum type E 9300. Penicillium commune, single-cell protein 4858.

Amino acid composition, (continued)
Pencillium commune, single-cell protein, feeding trials, rats, rabbits 4858. proteinase, Bacillus mesentericus 5522. proteinase inhibitor, Streptomyces nigrescens 7306. single-cell protein, Basidiomycetes 9113. single-cell protein, Candida tropicalis 9109. single-cell protein, Candida tribicalis 9108. single-cell protein, Geotrichum candidum. Hansenula anomala, Candida krusei 8489. a-loxin, Staphylococcus aureus 2076. Ustilago violacea, cytochrome c, punfication 2736. Amino acid sequence, actinoidin 1641. adenosinetriphosphatase stabilization proteins. mitochondria, yeasts 8274. p-Aminoacetophenone,
concentration, fungi mycelia, relationship levonin biosynthesis 7171.
2-(Aminoacyl)aminopyrazine,
derivatives, antimicrobial activity 7962.
Aminoacyl-cabazole,
derivatives, synthesis, antibacterial activity 3330.
Aminoacyl-fiRNA hydrolase,
Escherichia coli, dissociation, ribosomes, erythromycin, carbomycin, spiramycin,
effects on 1630.
Aminoacylation,
Ivsinomicin derivatives 1684. Aminoacylation, lysinomicin derivatives 1684. p-Aminoacobenzene, biodegradation, Bacillus subtilis 2006. 4-Aminobenzeneulifonamide, binding 2,4-diaminopynmidines, antibacterial activity 7083. p-Aminobenzote acid, effects on citric acid production, Aspergillus niger 5468. effects on Streptomyces levoris levorin biosynthesis 778. Aminobenzylpenicillifin, derivatives, antibacterial activity 6153. c-Aminobutyric acid, question, cell surface, Staphylococcus aureus 1834. y-Aminobutyric acid, formation, glitamate decarboxylase, mechanisms, stereoso. Ustilago violacea, cytochrome c, purfication 2736.
Aminio acid sequence,
actinoidin 1641.
adenosinetriphosphatase stabilization proteins, mitochondria, yeasts 8274.
adenosinetriphosphatase, Streptococcus faecalis 1911.
aspartate carbamoythrasterase catalytic subunits, Escherichia coli 6562.
Bacillus subtilis 3°:5°-cyclic-nucleotde phosphodiesterase inhibitor 7304.
Bacillus thuningensis 6-endotoxin 4911.
clostripain, Clostridium histolyticum 4636.
core protein, Semilik Forest virus 7292.
elongation factor 1 a-chain, Artemia salina, comparison elongation factor Tu, Escherichia coli e1955.
enterotoxins, Escherichia coli e1955.
enterotoxins, Escherichia coli e1955.
enterotoxins, Escherichia coli e1967.
enterotoxins, Petalicus e1967.
enterotoxins, formation, glutamate decarboxylase, mechanisms, stereospecifity, Escherichia coli c-Aminocaproate,
Conynebacterium aurantiacum metabolism variants 3790.
1-Aminocylcopropane-1-carboxylate ayrithase,
Lycopersion esculentum, Streptomyces gnseolus, sinefungin, inhibition, ripening
7593 Aminodisaccharides, artibacterial activity, gram-negative bacteria 8751.

9-{2-Aminoethy)+L-cysteline, resistant mutant, Streptomyces clavuligerus, association, β-lactam antibiotics biosvinthesis, aspartate kinase regulation 8809. e antibiotics biosvinthesis, aspartate kinase regulation 8809.

resistant mutant, Bacillus subtilis, L-lysine excretion 9122.

(2-Aminoethyliphosphonate-pyruvate aminotransferase, purification, characterization, Pseudomonas aeruginosa 7405.

Aminoglycoside acetyltransferase, kinetics, mechanisms, Staphylococcus aureus R factor RPAL 8271.

Aminoglycoside antibiotics, agar diffusion test, media (culture) 6102.

antibacterial activity, Pseudomonas aeruginosa 741.

antibacterial activity, Sussorofa semen bacteria 715.

antibiotic resistance, bacteria isolates, hospitals 8732.

antibiotic resistance, clinical isolates, gram-negative bacilli 8726.

antibiotic resistance, plasmids, Shugella sonnei 4278.

antibiotic resistance, plasmids, Shugella sonnei 4278.

antibiotic resistance, Staphylococcus, plasmids transfer 7042.

antibiotic resistance, Staphylococcus, plasmids transfer 7046.

antibiotic resistance, Staphylococcus, plasmids transfer 7046.

antibiotic resistance, Streptomyces tenebrarius 1539.

antibiotic sensitivity testing, clinical isolates, bactena 7132.

antibiotic sensitivity testing, clinical isolates, bactena 7132. зитертокіпава 1883.
superoxide dismutase, Saccharomyces cerevisiae 27.
N-terminal, enterotoxins, Clostridium perfringens 5660.
Tremella mesenterica, tremerogen A-10, tremerogen a-13 915.
tyrosyl-IRNA synthetase, Bacillus stearothermophilus 6532.
Amino acida,
amidinates autic. mino acids, arditungal activity, fungi 2478, aromatic compounds, Streptomyces levoris, effects on levorin biosynthesis 1662. Asporagillus niger, effects on oitric acid production 5484. Shodegradation, Lactobacillus plantarum 7549. biosynthesis, Pseudomonas, 4-chlorobenzoic acid media 7308. biosynthesis, Phizobium lupini, association, tricarboxylic acid cycle metabolites, sucrose 8199. Cucumis sativus, cucumber mosaic virus infection effects on 3066. derivatives, fluorene substituted, antiviral activity, murine leukemia virus 8799. Serrata 4351.

antibiotic sensitivity testing, Staphylococcus aureus 3378.

antibiotic sensitivity testing, Staphylococcus, clinical isolates 6105.

antibiotic sensitivity testing, Staphylococcus clinical solates 9734.

antibiotic sensitivity testing, Yersina enterocolitica, Bacteroides corrodens, Streptococcus pneumoniae 6089.

antibiotic synergism, azlocillin, Pseudomonas aeruginosa 8649.

antibiotic synergism, ceftzoxime, gram-negative bacilli. Staphylococcus 2531.

antibiotic synergism, semisyrithetic penicillins, antibacterial activity. oenvaruves, nuorene substituteo, antiviral activity, munne leukemia virus 8799. effects on cellulose hydrolysis, cellulolytic microorganisms 7547. Impatiens, infection, Plasmopara obducens, ± Meloidogyne incognita infection 2205. Impatients, Intection Presimplea voluntoria, and interesting a control of the con Enterobacteriaceae 7125. assays, body fluids 9724. bacteria antibiotic resistance, clinical aspects, dosage frequency effects on 6002 bacteria antibiotic resistance, epidemiology, plasmids association, France 6006, bacteria antibiotic resistance, incidence, Świtzerland, clinical surveys 6003, bacteria antibiotic resistance, role enzymes inactivation mechanisms 6005. bactericidal activity, Staphylococcus aureus, phagocytosis, phagolysosomes, pH intracellular levels 9733. Campylobacter fetus subsp.jejuni drug sensitivity testing 4292.
+carbenicilin, ambacterial activity, Pseudomonas aeruginosa 1619.
+cetsulodin, antibacterial activity, Pseudomonas aeruginosa, Serraha marcescens + ceftriaxone, antibiotic synergism, antibiotic antagonism, Pseudomonas aeruginos 7986. stimulation, Glomus caledonius spore germnation 4189. uptake, correlation, drug resistance, Schizosaccharomyces pombe 8748.

Amino sugars, cell walls, bacteria, gas chromatography 9877.

-Amino-caprolactam racemase, punfication, characterization, Achromobacter obae 1890.

D-Amino-acid dehydrogenase, solubilization, kinetics, cell membranes, Eschenchia coli 4694.

3-Amino-demathoxyfortimicin A, antibacterial activity 6199.

3-Amino-demathoxyfortimicin A, antibacterial activity 6199.

3-Amino-demathoxyfortimicin A, antibacterial activity 6199.

4-Amino-1,2,4-triazole hydrochloride, inhibition, intiffication, ammonification, soil microorganisms 9624.

5-Amino-2-(dimethylaminoethyl-benzo-(de-lacquinolin-1,3-dione, antiviral activity, herpse simplex virus 2, adenovirus (human) 5 3358.

2-Amino-3-0-demathyl-2-deoxyfortimicin A, antibacterial activity 6199.

4-Amino-3-5-dichlorobenzola celd, bactena, dehalogenation, lakes, sediments 6648.

2-Amino-6-(2-auframoyliphenyl-1,3,4-thladlazole, denvatives, antiviral activity 9693.

2-Amino-6-O-(2-amino-2-deoxy-j-D-glucopyranosyl-2-deoxy-D-glucose, hydrophobicity regions, andotoxins, Bordetella pertussis 7632. +cephalosporins, antibacterial activity, non-fermentative gram-negative bacteria + cephalosporins, antibacterial activity, non-fermentative gram-negative bacteria 1607.

+ cephalosporins, antibiotic synergism, antibacterial activity, Pseudomonas, Escherichia coli 736.

clinical aspects, bacteria antibiotic resistance, conferences 6366. disc-diffusion test, streptococcus group D 2509.

Escherichia coli, cross-resistance, nitrofurans 7045.

Escherichia coli, effects on, protein biosynthesis, RNA biosynthesis 6094. inhibition, protein biosynthesis, Escherichia coli, effects on, protein biosynthesis, Escherichia coli 2558.

-lactam antibioticis, stability, storage 9710.

-lactam antibioticis, stability, storage 9710.

-lactam antibioticis, stability, storage 9710.

Nocardia, antibioticis synthesis escherichia coli 2558.

Nocardia, antibiotic sintibiotic synthesis association, antibiotic resistance, Pseudomonas aeruginosa, Enterobacteriaceae 640.

Nocardia, antibiotic synthesis described production, Micromonospora, media (selective)+gentamicin screening 6107.

purification, Escherichia coli bioassays, acetyl-CoA 3415.

resistance, association, Pseudomonas aeruginosa transposon Tn2401 identificatic 7050. Susceptibility, Staphylococcus aureus, gentamicin resistance 2413. synthesis, antibacterial activity, structure-activity relationships 9717. tritiation methodology 8821.

antibacterial activity determination methodology 8810.

kinetics, mechanisms, Staphylococcus aureus R factor RPAL 8271

Aminoglycocide-2"-O-denytransferase,
bacteria, 7-hydroxytropolone inhibition, association, antibiotic resistance 652

7-hydroxytropolone inhibition, association, antibiotic resistance 652.

6-Aminobexanolc acid, hardanis

Animoreszanok acid, bacteria, biodegradation 3783.
 Animolevulinic acid, biosynthesis mechanisms, Chlorobium, Chlorofiexus, Anacystis, Rhodopseudomonas 8209.

200
L-2-Aminooxy-3-phenylpropionic scid, inhibition, phytoalexins, Glycine max, effects on, disease resistance. Phytophthora megasperma f.sp.glycinea 3907.

6-Aminopericillanic acid, fluorescence assays 3406.
Aminoperidase, active sites characterization, chemical modification, Aeromonas proteolytica 956. Aeromonas hydrophila subsp.proteolytica, active sites characterization 8255 Aeromonas proteolytica subsp.proteolytica, nickle(III), copper(III), substitution effects on activity 8277.
assays, serum, man, use leucine dehydrogenase, Bacillus sphaericus, Bacillus megaterium 5308.

effects on activity 8277.
assays, serum, man, use leucine dehydrogenase,
megatenum 6308.
Shigelia, detection methodology 871.
Aminopeptidase Co,
Saccharonyces cerevisiae, characterization 1923.
1-Aminopyrene,
1-Introvyrene transformation, speechic besteris in

1-nitropyrene transformation, anaerobic bacteria, intestinal microflora, man 2024.

2.024. 2.2. Aminothiazol-4-yi)-2-sulfoscetyi cephalosporins, antibacterial activity. Pseudomonas aeruginosa, gram-negative bacteria 7991. Amiprophos methyi, specificity, cell cycle, Schizosaccharomyces pombe 690. Amipurimych,

structure, mass spectroscopy 7177

3242. assimilation, role, glutamate synthase, association, nitrogen fixation, Leguminosae 5939. detoxification, ochratoxin A, grain 2063.

oetoxinication, corratoxin A, grain 2063.
effects on soil microorganisms fungi, growth, spore germination 2349.
production, microorganisms, immobilized cells, reviews 6607.
removal, facultative bacteria, wastewater treatment 5331.
role, viruses inactivation, heat effects on 7945.

Ammoniation,
Gossypium hirsuturm seeds, effects on cow's milk aflatoxin M1, cattle feeding regimes 2945.
Ammonification,
bacteria, USSR soil 7808.

bacteria, USSR soil 7908. intifying bacteria, soil pollution, heavy metals effects on 4238. soil microorganisms, inhibition, carbon disulfide, 4-amino-1,2,4-triazole hydrochloride, 2-chloro-6-(trichloromethyl)-pyridine 9624. Ammonitying bacteria, armonium fermation, drinking water 9817. seasonal variations, association, Fagus forests, soil nitrogen mineralization 4137.

soil amendment, fertilizers, manure, redox potential, paddy fields, Oryza sativa

Section of the control of the contro

Ammonium rutare.

tolerance, Rhizobium trifolii, effects on nodulation 7855.

Ammonium auffate, effects on, root rot, Phytophthora cinnamomi, Persea indica 2147. soil amendment, relationship, soil nitrification 7834.

Amniotic fluid,

antibacterial activity, Staphylococcus epidermidis 6042.
Streptococcus group B antigens detection, latex agglutination, monkeys 9938.

phagocytosis, fungi, take-all, Tritlcum aestivum, soil microorganisms 4223.

Amoracla rusticana,
beet curly top virus infection 1313.
wilt, Verticilium dahliae interaction pectin-degrading bacteria, Fusarium 1253.

Amorphophalus konjac, leaf blight, Pseudomonas pseudoalcaligenes subsp.konjaci, pathogenesis 7716. Amoxicillin.

antibiotic resistance, Streptococcus sanguis oral cavity isolates, relationship

antibiotic resistance, one-piocoads sargue of a dayly solution, default canes prophylaxis 8734.

antibiotic sensitivity testing, streptococcus 9718.

± clavulanic acid, antibiotic sensitivity testing, Mycobacterium fortuitum 7141.

7141.

+ clavulanic acid antibiotic synergism, antibacterial activity, Mycobacterium tuberculosis 8845.

+ clavulanic acid, high-performance liquid chromatography 5252.

+ clavulinic acid, artibacterial activity, Enterobacteriaceae 745.

exposure, association, Escherichia coli growth curves 7054.

± fosformycin, sensitivity, Staphylococcus aureus, Escherichia coli 8040.

+clavulanic acid, β-lactamase activity, bacteria 3411. +clavulanic acid, Enterobacter cloacae resistance 4275.

clavulanic acid, Enterobacter cloacae resistance 4276. AMD

affinity, 6-phosphofructokinase, fructose-2,6-diphosphate stimulation, yeasts 2782 hinsynthesis Mollicutes 9220

biosynthesis, Mollicutes 9220. inhibition lactate dehydrogenase, Phycomyces blakesleeanus 1905. inhibition protein kinase phosphorylation fructose-bisphosphatase, yeasts 8283. oxidative phosphorylation, Candida boidinii, ATP biosynthesis 1031.

Sixidative phosphotylation, Calabida Budinin, ATP budylations of Ampelomyces quilequallis, biological control, Sphaerotheca fuligimea, powdery mildew, Cucumis sativus 2275. detoxification, triadimeton 6883 polysaccharides degradation enzymes detection 8319. tolerance, antifungal activity, triadimeton, pyrazophos, ditalimfos, iprodione

Ampholine, ffects on, biological properties, exotoxins, Streptococcus pyogenes 2084.

effects on, biological properties, excitatins, strephotocours proget Amphomycin, annihilation, phospho-N-acetylmuramoyl-pentapeptide-transferase, role, peptidoglycans biosynthesis, Bacillus megaterium 1561. Amphotericin B,

antibiotic resistance, Candida 3308.

antibiotic sensitivity testing, yeasts 2502. antifungal activity, cell walls, Candida albicans 2477 antifungal activity, Curvularia lunata var.aeria 7939. antifungal activity, Dematiaceae 7929.

antifungal activity, Dematlaceae 7929.
antifungal activity, Diasma membranes, freeze-fracture, Candida albicans 8009.
antifungal activity, Sporothrix schenckii, temperature effects on 1569.
antifungal agents, interaction, antifungal activity 1587.
biosynthesis. Streptomyces nodosus, mycelia growth 6181.
butylated hydroxyanisole, antifungal activity, Candida albicans 6175.
+9-(2-hydroxyethoxymethy)guanine, antiviral activity, pseudorabies virus intection, BHL-21 cells 33511.

intection, phn-21 cells 3331 ketoconazole, antibotic resistance, Candida albicans 3307. +phenothazines, antifungal activity, Candida 4391. physiocohemical properties, antibacterial activity 1534. ± polyene antibiotics, ± ketoconazole, ± miconazole, antifungal activity, Candida albicans 1633.

+6-acetylmethylenepenicillanic acid, antibacterial activity. Escherichia coli

3405.
antibacterial activity, Enterobacteriaceae 2552.
antibacterial activity, Escherichia coli, Streptococcus faecalis 739.
antibacterial activity, Haemophilius influenzae 7981.
antibacterial activity, Haemophilius influenzae, gram-negative bacteria 6119.
antibotice resistance development, bacteria 6020.
antibotic resistance, Enterobacteriaceae, Pseudomonas 2393.
antibotic resistance, Enterobacteriaceae, Pseudomonas 2393.

7028. antibiotic resistance, Escherichia coli, urinary tract clinical isolates 7034. antibiotic resistance, Haemophilius influenzae, relationship, biotyping 7048. antibiotic resistance, Ratotor, Salmonella typhimurium 646. antibiotic resistance, role p-lactamase, Haemophilus influenzae 2400. antibiotic resistance, Salmonella solates, Netherlands, incidence 5161. antibiotic sensitivity testing, bacteria 6111. antibiotic sensitivity testing, clinical isolates, bacteria 7132. antibiotic sensitivity testing, haemophilus influenzae, Streptococcus pneumoniae

7985

antibiotic sensitivity testing methodology comparison, gram-negative bacilli

antibiotic sensitivity testing. Shigella, antibiotic resistance transfer, Italy 8829

98529 antibiotic sensitivity testing, urease positive bacteria 751. bacteria antibiotic sensitivity testing 7984. bacteria trainary tract isolates, antibiotic sensitivity testing, antibiotic resistance 4287. Bordetella pertussis, drug sensitivity testing 7133.

+cloxacillin, antibacterial activity, gram-negative bacteria, β-lactamase

comparison, cefotetan antibacterial activity 6134. comparison, chloramphenicol, cefamandole, bactericidal activity, Haemophilus influenzae 3418.

influenzae 3418.
degradation kinetics, association, furfural, aqueous solutions 5251.
Escherichia coli susceptibility, antibiotics pretreatment 7061.
exposure, association, Escherichia coli growth curves 7054.
± gentamicin, antibacterial activity, Streptococcus faecalis, Streptococcus faecium 7982.

+ β-lactam antibiotics antibacterial activity, 3314.

B-lactamase, Haemophilus influenzae type b, clinical isolates 653.

+ mecillinam, antibiotic synergism, antibacterial activity, gram-negative bacteria

Mycobacterium antibiotic sensitivity testing 7996

Mycobacterium antibiotic sensitivity testing 7996. Neisseria gonorrhoeae antibiotic sensitivity testing 3382. resistance, association, cadmium sensitivity, Escherichia coli plasmids 1536. resistance, bacteria, septicemia, man 645. resistance, Escherichia coli, clinical isolates, British Isles 1540. resistance, Haemophilus influenzae otitis media, man 647. resistance, population studies, Escherichia coli, Enterobacter cloacae 629. Salmonella clinical isolates, antibiotic sensitivity testing 6112.

spectrophotometry 730. stabilization, aqueous solutions, association, benzaldehyde 5253. susceptibility, Escherichia coli, statistical analysis methodology 1795. temocillin, antibacterial activity Haemophilus influenzae 6155. tobramycin, gentamicin, antibacterial activity, Proteus, Pseudomonas aeruginosa 7967.

Amritodus atkinsoni,

disease transmission, fungi, Mangifera indica 3022 m-AMSA

misonidazole, effects on radiosensitization, toxicity, Escherichia coli 666. Amycetin,

Streptomyces coeruleoaurantiacus sp.nov., biosynthesis 2588.

Amyelols transitella,
biological control, heat resistance, disease resistance, heat inactivation,

calicivirus 5549. Amygdalus communis

nmosis, fungi etiology 3030.

Anaerobic bacteria, (continued)
meziocilin antibacterial activity 6149.
oral microllora, clinical isolates, antibiotics activity concentrations 8814.
phenol biodegradation, waste disposal sites, British Isles 3799.
recovery, swabs transport systems 6333.
rumen, storage, viability 1802.
sewage treatment, dispestion (anaerobic), association, temperature 5289.
spores, contamination, milk 4829.
survival, swabs transport system, temperature association 6334.
susceptibility, artibiotics, arimal isolates, cattle, pneumonia 7987.
susceptibility, artibiotics, arimal isolates, artibiotics, organic compounds + methanol loading, degradation association 8940.
column chromatography+detergents, methodology, fractionation Pseudomonas hydrocyanic acid production enzymes 4505.
companson, aerobic conditions, bacteria, culture tanks 9883.
culture methodology, Streptococcus group A, infection diagnosis, man 2696.
dyes biodegradation 8423.
hydrogen oxidation, hydrogenase, soil 5917.
Igninis biodegradation, microorganisms soil isolates, Egypt, Arab Rep. 8428.
methanogenic bacteria, cell culture methodology 3549.
Paracoccus dentifricans production ubiquinone-1 0 5551.
peat biodegradation, CNr ratios 9284.
sewage effluents, lagoons, Thiopedia rosea flocculation 8064.
soil microorganisms, urea hydrolysas 5109.
Streptococcus group A isolation 9892.
Anaerobic microorganisms, entanyorganisms, wastewater treatment, coal gases 8952.
Anaerobic microorganisms, wastewater treatment, soil gases 8 imylaze, assays, buffers, Chionochloa rigida grasslands soil, New Zealand 9564. assays, Chionochloa rigida grasslands soil, pH effects on, New Zealand 9565. Bacillus subhilis α-amylase, immobilized enzymes, activity association, non-linearity 9134. biosynthesis, Vibno parahaemolyticus, peptones effects on 1942. hor-linearly 19-32.

biosynthesis, Vibrio parahaemolyticus, peptones effects on 1942.

ca-Amylese, activity determination, methodology, bacteria 7401.
activity, pesticides effects on, soils (organic) 3247.
Aspergillus oryzae, biosynthesis, factors affecting 8316.
Bacillus icroulans, purification, use, mattorexiaose production 80.
Bacillus incheniformis, production, carbon sources, oil cake 1850.
Bacillus subetinis, immobilization, use, Sepharose-6MB 9147.
Bacillus subtilis, immobilization, glucose biosynthesis 4699.
biosynthesis, Bacillus licheniformis membranes ribosomes 8295.
biosynthesis, Sacillus licheniformis membranes ribosomes 8295.
biosynthesis, Sacillus licheniformis membranes ribosomes 8295.
biosynthesis, Sacillus licheniformis membranes 8295.
biosynthesis, Sacillus licheniformis membranes 8295.
biosynthesis, Sacillus licheniformis membranes 8296.
biosynthesis, Saci dethyl pyrocarbonate chemical modification, Aspergilius oryzae 1902.
extraction, soil 4215.
glycine, association, enhancement, Bacillus amyloliquefaciens, production 8296.
growth inhibition, Legionella pneumophila 7247.
immobilized enzymes, Aspergilius awamori var.kawachi, glucose production 8305.
immobilized enzymes, Sapergilius ayazee, Bacillus subtilis 49.
immobilized enzymes, yeasts 2765.
poly(anions) inhibition kinetics, fluorescence, Bacillus subtilis 79.
production, Growth rate, Bacillus subtilis 2795.
production, growth rate, Bacillus subtilis 2795.
production, phytopathogenic frugi 6404.
purfication, characterization, evanylase inhibitor inhibition, Bacillus purfication, characterization, Pascillus inhibitor inhibitor, colleantibiotics biosynthesis, actionomyces 4755.
purfication, characterization, starch hydrolysis, Bacillus subtilis 9143.
role antibiotics biosynthesis, actinomycetes 7123.
Thermoactinomyces vulgaris, activity 1939.
Thermoactinomyces vulgaris, purification, characterization 1919.
yeasts, production 3691.
Pamylase, Bacillus creus, purification, characterization 1910.
biosynthesis, bacteria, growth, fractionation, media methodology 5428.
production, bacillus creus 7317.
Amylase inhibitor,
multiple forms, Streptomyces, production, characterization, Streptomyces corchorusii 6387.
purfication, characterization, Streptomyces orchorusii 6387.
purfication, characterization, Streptomyces 6523.
Amylovorin,
Enviria amylovora, host specificity, Cotoneaster pannosa, spiraea vanhouttei, microorganisms, wastewater freatment, whey use 5325.

Anaerobiosis, conditions, soil, analysis, nitrate reduction, nitrite reduction 7845

Anaesthetics, antibacterial activity, Escherichia coli 7926. antibacterial activity, Escherichia con 1920.
Analyzers,
disacchandes, fungi immobilized enzymes 7942.
fermentation, glucose, yeasts, methodology 4545.
Anaplasma marginale,
proteins characterization, infected erythrocytes 6379.
Anaptomate. Anastomosi, identification, media (selective) 9989.
Rhizoctonia solani, identification, media (selective) 9989.
Rhizoctonia solani, soil population levels, association, Arachis hypogaea, USA, Texas, USA, New Mexico 5094. Chlamydia psittaci isolation, antibiotic resistance 8741.

Andean potato latent virus,
transmission (seed), Solanum tuberosum, symptoms 406. Amylovoria, host specificity, Cotoneaster pannosa, spiraea vanhouttei,
Malus pumila 9371. biosynthesis, genes, cloning, Streptomyces 8032. Andropogon gerardi, leafspot 1174. B-Mayrin,
Aspergillus nidulans, isolation, characterization 3735.
Ansacardium occidentale,
powdery mildew, Oidium anacardii infection, pathogenesis 421.
Anacystis,
5-aminolevulinic acid biosynthesis mechanisms 8209. Andropogon scoparius, leafspot 1174. learspot 11/4.

Androstene-3,17-dione,
hydroxylation, immobilized cells, Corynebacterium 6565.

Anesthesia,
medical personnel, bacteria contamination 7205. Anacysta,
S-aminolevulinic acid biosynthesis mechanisms 8209.

Anserobic bacterie,
antibacterial activity, cefotetan 4345.
antibacterial activity, cefotetan 4345.
antibacterial activity, cefotetan 4345.
antibacterial activity, incomycins, ceftizoxime 2535.
antibacterial activity, incomycins, metronidazole 5174.
antibacterial activity, preparalimin 9757.
antibacterial activity, sultonamides, +brodimoprim, +metioprim 3320.
antibiotic sensitivity testing, cephalosporins 7136.
antibiotic sensitivity testing, cephalosporins 7136.
antibiotic sensitivity testing methodology, 1602.
antibiotic sensitivity testing activity centrifugation+filtration 9946.
bile acids hydroxylation 2892.
bile acids hydroxylation 2892.
bile acids hydroxylation 2892.
bile acids hydroxylation 2892.
catitle feces fermentation, hydrocarbons production 5138.
celotaxime, moxalactam, antibacterial activity companison, antimicrobial agents
6154. Anesthetics Anesthetics,
antibacterial activity relationship, comea ulcers treatment, man 9676,
antibacterial activity, structure-activity relationships, Escherichia coli 6051.
Anguilloepora longiasima,
cellulose decomposition 2903.
Anguilloepora pseudolongissima,
biodegradation, Populus tremuloides, leaf litter 8045.
2,2'-Anhydro-1-β-D-arabinofuranosylthymine,
crystal structure, antivral activity, herpes simplex virus 7101.
Anliazine,
disease control. Acremonium crotocinicenum, leafspot, Syngonium podoshvil
disease control. Acremonium crotocinicenum, leafspot, Syngonium podoshvil disease control, Acremonium crotocinigenum, leafspot, Syngonium podophyllum 1423 disease control, leafspot, Apium graveolens 4098. effects on, growth, respiration, enzymathc activity, Escherichia coli 5168. Aniline, Antiline,
biodegradation, aerobic conditions 8436.
biodegradation, Rhodococcus y 7556,
derivatives conversion, diazonium salts biosynthesis, Escherichia coli 3741.
utilizzation, Rhodococcus erythropolis, Pseudomonas matophilia 3786.
Antiline-haphthalenesulfonic acid,
interaction UDPglucose 4-epimerase, fluorescence, Saccharomyces fragilis 5494.
Antimal models, 6126.

cefsulodin ± cefoxitin, antibacterial activity 6127.

clinical isolates, incubation, anaerobic environments 2680.

compound U-57930E antibacterial activity 4379.

com+animal wastes sliage, fermentation, biochemical characteristics 4868.

crop rotation, fertilization, association, catalase activity, soil, USA 2382.

digestion (anaerobic), pertoleum effluents, bioreactors 5287.

drug sensitivity testing, ambibiotic sensitivity testing, reviews 6113.

emulsifiers, artibacterial activity, use preservatives, fermentation, chemical extraction, organic compounds, toxicity 8778.

fouring organisms, antibacterial activity, and produced to the compounds of the compound of the compounds of the comp nimal models, unmunogenicity, Leptospira interrogans vaccines 3455.
mice, toxicity, sewage sludge, man 3489.
mice, toxicity, sewage sludge, man 3489.
rabotis, immunogenicity, Leptospira interrogans vaccines 3455.
rabotis, pencycuron toxicity, Mammalia 3155.
rats, apetite, relationship, mustrooms 3815.
rats, dental caries prophylaxis, use, fluoride varnishes 8994.
nimal wastas. fats, dentar canes propriyation, use, monitor an interest and a fat an armonic fat an armonic fat an armonic fat an armonic fat and armonic fat armoni water 151.
gastrontestinal tract, decontamination, use, antibiotics, man, in vitro 8812. identification, methodology 9943. infection, cephradine, treatment, in vitro antibacterial activity 676. infection, diagnosis, use, clinical isolates metabolism acids levels 894. intestinal microflora, man 1-nitropyrene transformation 2024, intestinal microflora, salinomycin administration effects on pigs 5624. isolation, children, blood culture methodology 2683. P-lactamase detection methodology 907.
β-lactamase production, association β-lactam antibiotics susceptibility 5199. hydrolysis, products, inhibition, yeasts, growth 4305. lagoons, waste treatment, bacteria population dynamics 4434. pigs. digestion (anaerobic), Clostridium, Bacillus 5301. pigs. digestion (anaerobic), substrates retention, relationship, bacteria levels 9608.

5199

nimal wastes, (continued)
pigs, pH, temperature, effects on, Salmonella typhimurium, Escherichia coli,
growth 8954.
soil amendment, relationship, soil nitrification 7834.
waste treatment, microorganisms association biodegradation 2616.

Inimals, affatoxicosis, interaction, metals, dietary intake, reviews 4900. affatoxicosis, interaction vitamins nutrition 4899. affatoxicosis, interaction vitamins nutrition 4899. carbohydrates digestibility, fungi, yeasts, feeding fitals 3853. carcasses, meat, food contamination, Campylobacter fetus subsp. jejuni 1090. correlation, Salmonella typhimurium, hydrazine derivatives, Basidiomycetes metabolism, toxicity, mutagenicity 1095. leose, association, ferbitzers. Salmonella incidence 2837. feeds, contamination, bacteria, fungi, mycotoxins, conferences 5455. feeds, fungi, mycotoxins, tood contamination, fungicides use control 3865. feeds, Tinchoderma reesei protein biosynthesis, use, sugar beets industrial wastes 8493.

teeds, Inchoderma reesei protein biosynthesis, use, sugar beets industi wastes 849:3 food contamination, Salmonella isolation, culture methodology 1088, grazing, lupinose, relationship, Lupinus fungi infection 5005. leptospirosis, diagnosis methodology 2662, pathogenicity, biological control imcroorganisms 4711, pleural fluid, synovial fluid, bacteria recovery, media methodology 3609. Salmonella isolates, serotyping 5627.

yeasts feeus productions p-Anisidine, biodegradation, aerobic conditions 8436.

Annona squamosa, plant extracts, chemical control, Nephotettix virescens, vectors, rice tungro virus 7737.

Annual rings,
Ulmus americana, isolation, Ceratocystis ulmi, USA, California 2310.
Anophelea sibimanus,
biological control, larvicides, factors affecting, Bacillus thuringiensis 8360.
Anophelea stroparvus,
biological control, Bacillus thuringiensis 4712.
Anophelea fresborni,
biological control, Lagenidium giganteum, survival, overwintering, paddy fields 615.
Anophelea gamblae,
larvae, biological control, Bacillus sphaericus 6611.
Anophelea quadrimaculatus,
biological control, Bacillus thuringiensis, paddy fields, Oryza sativa 6601.
biological control, larvicides, factors affecting, Anopheles quadrimaculatus 8360.
Barophelea starphenal

Anopheles stephenal,
geographical variations, susceptibility, endotoxins, Bacillus thuringiensis,
India 293.

arvae, biological control. Bacillus sphaencus 6611.

larvae, biological control, Bacillus sphaencus, heat inactivation 6612.

Metarrhizium anisopilae, conidia, viability, temperature, relative humidity, effects on, virulence 7478. Ansamitocin.

biosynthesis, Nocardia 4422.

Ansatrienins,
Streptomycas collinus, components, physicochemical properties 7174.

Streptomyces collinus, comportential, proceedings of the collinus, comportential, proceedings, and collinus, association, Phomopsis, in vitro 4939. Cerospora kikuchi, association, Phomopsis, in vitro 4939. Cerospora kikuchi, association, Phomopsis, in vitro 4939. Ceraminaea footrot pathogens, Pseudocercosporella herpotrichoides, Fusarium, Phizoctonia cerealis 1148. Phizoctonia sotiani infection, Solanium tuberosum 9429. role, acetic acid, iassociation, metromodazole antibacterial activity. Trichomonas vaginalis 7090. saprophytes, soli phi, soli temperature, fungicides, herbicides, soli moisture, Fusarium udum 5694. Trichoderma harzianium, Sclerotium rolfsii sclerotia, factors affecting, soil 9570. Integonists, bacteria, interaction, Gaeumannomyces graminis var.tritici, clays effects on

4199

Chaetomium globosum, screening, biological control, Venturia inaequalis, scab 3740.

soil microorganisms, Rhizobium japonicum 576. Antarctica,

Antarctice,
microorganisms, ecophysiology, rocks habitat 9548.
soil, yeasts, algae, bacteria 1475.
tundra peat, freeze-thawing effects on soil microorganisms 580.
yeasts, media (isolation) 3626.
Anthracnose,
Coffea, Cuba 2189.
Colletorichum fragariae, disease resistance, screening, Fragaria 1258.
Colletotrichum gloeosporioides, coffea, Cuba 3910.
Colletotrichum gloeosporioides, cutinase, activity, Carica papaya, pesticides (organophosphorus), effects on 8563.
Colletotrichum gloeosporioides, fragaria 9425.
Colletotrichum gloeosporioides, pathogenesis, electron microscopy, Carica papaya 8564.

Colletotrichum graminicola, Avena sativa 7670. Colletotrichum graminicola, Zae mays, Orthoptera role 369. Colletotrichum lindemuthanum, disease resistance, phytoalexins, Phaseolus

Colletotrichum lindemuthianum, disease resistance, phytoalexins, Phaseolus vulgaris 1360. Colletotrichum lindemuthianum, epidemiology, Phaseolus vulgaris, Canada 4933. Colletotrichum lindemuthianum, Phaseolus vulgaris disease resistance 5815. Colletotrichum trifolii, disease resistance, Medicago sativa 5046. Colletotrichum truncatum, effects on, yield, Glycine max 1137. Gloeosporium theae-sinensis, Camelia sinensis 4014. Gloromoria leptostyla, genetic analysis, selection, disease resistance, Juglans nigra 5874. Marssonjina luglandis penetration, legues, ludans nigra 2000.

mgra 5674.
Marssonina juglandis penetration, leaves, Juglans nigra 3029.
Persea grattisima, disease control, prochloraz 6833.
mthracycline antiblotics,
biosynthesis, Streptomyces coeruleorubidus, Streptomyces galilaeus, mutants 5540.
biosynthesis, structure, Streptomyces galilaeus mutants 5539.
decilorubicin, antibacterial activity, gram-positive bacteria 6220.

Anthracycline antibiotics, (continued)

decilorubicin, sugars components, structure 6221.
N-formyl-13-dihydrocarminomycin biosynthesis, Actinomyces, isolation, structure 5542

inactivation, phage ΦX174, association DNA binding 1582, isolation, characterization, Streptomyces galilaeus mutants 5538, titration preparation methodology 6231.

production, Streptomyces griseus, differentiation regulators, screening projects

Anthracyclinones, transformation, Streptomyces coeruleorubidus, Streptomyces galilaeus 782.

Anthraquinone

naccumulation, Aspergillus parasiticus mutants, column chromatography 5649.

Streptomyces galilaeus mutants biosynthesis 2823.

acylureidopenicillins, antibiotic antagonism, cephalosporins, in vitro 6144. adiposin, oligosacchandes inhibitoro 2569. Allium sativum, Coxiella burnetti infection, chickens 668. Allium sativum extracts, Bacillus cere

Anium sakuvim etkratos, bacilius cereus 1549, amikacin, gentamicin, antibiotic synergism, ± carbenicillin, ± piperacillin, Pseudodmonas aeruginosa 755. amikacin, Mysoducterium tuberculosis 2454. amphoterion B, physochemical properties 1634. amphoterion B, physochemical properties 1634.

pneumoniae 6123. antibiotic AT-265 1672. antibiotic SM-1652 734

antibotic SM-1652 724
antibotic Synergiam, daunomycin transformation, Streptomyces erythrchromogenes sp. nov. 675
sp. nov. 675
antibotic 1-1982 735
antibotic 1-1982 735
antibotic 1-1982 735
antibotic 315 2570
antibotics 32570
a

activement rissurition, in vitro, models 747.

azthreonam 777.

bactenocens, Clostridium perfringens, L. form 759.

bekanamycin, respiratory tract infection treatment, man 6186.

ble acids, synergism, benzylpenicillin, furagin, Staphylococcus 1618.

ble acids, synergism, benzylpenicillin, furagin, Staphylococcus 1618.

ble (3-hydroxy-Z-oxocyclo-heptatrien-(3,5,7)-yl-sulfide, isolation, Pseudomonas capacia 761.

1, 4-bis[3-(n-haxylcarbamylguanidine)propyl]piperazine dimethanesulfonate, gingvitis, man 813.

carbapenem, derivatives, in vitro, Proteus vulgaris, Citrobacter freundii 1650.

cefactor, man 813.

carbapenem, derivatives, in vitro, Proteus vulgaris, Citrobacter freundii 1650.

cefactor, bacteria infection treatment, man 6124.

cefotaxime, bacteria infection treatment, animal models 6129.

cefotaxime, Pseudomonas 6122.

ceftazidime, Pseudomonas, Enterobacteriaceae 6121.

cefuroxim 1612.

cefuroxime, Escherichia coli, Klebsiella 6130

cefuroxime, Escherichia coli, Klebsiella 6130. cephalosporins, chemical modification 2540. cephalosporins, gram-negative bacteria 1606. cephalosporins, pencillins, agar diffusion test, Pseudomonas aeruginosa 728. cephalosporins, reviews 674. cephamycin, Mycobacterium fortuturum 1615. chloramphenicol, thiamphenicol 756. cirratiomycin A, cirratiomycin B 765. cirratiomycin A, cirratiomycin B 765. chadallini-ampuellin, closvocallini-rephalosporins, gram-negative bacteria, ß-lactamase 1610.

B-lactamase 1610.

cotimoxazole, conferences 6367.

cotimoxazole, folic acid pathway 6033.

cotimoxazole, reviews, bacteria 6032.

cotimoxazole, stipella, citicial isolates 714.

dental cementi-chiorhexidine gluconate 677.

derivatives, carminomycin, rubomycin, Bacteroides mycoides 2592.

dibekacin, unnary tract infection treatment, man 6187.

diboxidine, mechanisms, association, DNA biosynthesis 1557.

emulsifiers, anaeronobic bacteria, use preservatives, canned food 255.

emocin, Streptococcus group A 1677.

Enterobacteriaceae, amikacin, +cephalosporins, +moxalactam 1614.

enterochelin, scandium, indium, complex, Escherichia coli 1554.

erythromycin relationship binding serum, man 2562.

Escherichia coli, colicins, production, Shigella sonnel 669.

ethonium+antibiotics, Pseudomonas aeruginosa, clinical isolates 2523.

extracts, Magnolia obovata, Magnolia officinalis, Streptococcus mutans 1559.

N-formimidoyl thienamycin+amikacin, gram-negative bacilii, Staphylococcus aureus 1660.

1660. 1660.

N-formimodyl thienamycin, +gentamicin, +tobramycin, antibiotic synergism, Streptococcus faecalis, Streptococcus faecium 1623.

N-formimodyl thienamycin, Neisseria meningitidis, Neisseria gonorrhoeae 776.

N-formimodyl thenamycin, stability, 9-lactamase, comparison, cephalosporins, 9-lactam bacteria 729.

N-formimodyl thienamycin, Stabphylococcus aureus 773.

furazolidone, Vibrio cholerae, Vibrio parahaemolyticus, enhancement, caffeine

1560. gentamicin, Pseudomonas aeruginosa 1624. Gossypium hirautum phytoalexins, Xanthomonas campestris 460. Gossypium hirautum phytoalexins, Xanthomonas campestris 460. Gossypium hirautum phytoalexins, Xanthomonas campestris 460. In vitro, cephracline, anaerobic bacteria infection treatment 676. In vitro, trimethoprim, gulfampicin, synergism, bacteria drug resistance 6163. In vitro, trimethoprim, sulfamethoxazole, cotrimoxazole, Mycobacterium trimethoprim 6034. α-interferon. Staphylococcus 686. kirrothricin, Clostridium pasteunanum 1665. β-lactam antibiotics, aminoglycoside antibiotics, synergism, therapeutic

Antibacterial activity, (continued) applications, reviews 6091.
β-lactam antiborios, dose-response effects 743.
β-lactam antiborios, Escherichia coli, Streptococcus faecalis 739 β-lactam antiborios, Haemophilus influenzae, Neisserla mennghidis, Streptococcus pneumoniae 717.
β-lactam antiborios, penculim-binding protein, relationship, autolysins Antibiotic Bu-2470, (continued) Antibiotic Bu-2470, (continued) activity, Pseudomonas 8888. Bacillus circulans, structure 8889 Antibiotic C-19393 Es, structure, biological properties 1667. Antibiotic CC-1014, Bresilies Paecilomyces abruptus, characterization 2566. Antibiotic CC-1014B, Paecilomyces abruptus, characterization 2566.
Antibiotic CC-1065, activity 6088. activity 6088. P.-lactam antibiotics, Pseudomonas aeruginosa, antibiotic resistance, gentamicin, carbenicillin 740. Iysozymes, kodidae, eggs 1552. mecillinam+nocardicin A, inhibition protein biosynthesis, cytolysis, Escherichia coli 2555. mezilocillin 6149. mezilocillin 6149. biosynthesis, Streptomyces zeiensis 5541.
comparison, Actinomyces canulus antibiotics biosynthesis, characterization 780.
Streptomyces canulus, biosynthesis 1656.
Antibiotic DC-52, Antibiotic UC-92,
 Streptomyces melanovinaceus, biosynthesis, antibacterial activity, antitumor activity 8344.
 Streptomyces melanovinaceus, structure 8345.
 Antibiotic E-0702, meziocilin o 149. mezlocilin, amoxicilin+clavulinic acid, Enterobacteriaceae 745. mezlocilin, azlocilin, -cephalosporins 6148. mezlocilin, comparison, penicilins, gram-negative bacteria, gram-positive bacteria 6141. antibacterial activity, β-lactamase stability 8833.

Antiblotic F 16-2, bacteria 6141.
mezlocillin, conferences 6365.
mezlocillin, gram-positive bacteria, Haemophilus influenzae 6143.
midecamycin, +polymyxin B, +carbenicillin, +dibekacin, +fosfomycin, antibiotic
synergism, Pseudomonas aeruginosa 1669.
moxalactam, cefoperazone, Streptococcus pneumoniae 727.
nanoamycin, Vibrio alginolyticus 1674.
nitribaction inhibitoris 2404. antifungal activity, Aspergillus oryzae, Saccharomyces sake 8031. antimicrobial activity, lactic and bacteria, Saccharomyces sake, association sake 8024 resistant mutant screening, Lactobacillus sake, Saccharomyces sake 7896. Antibiotic FK-156, Streptomyces olivaceogriseus sp.nov., Streptomyces violaceus 2582. nitrinication initrinicis 2405.

norfloxacin 2453.

penicillins, aminoglycoside antibiotics, Pseudomonas aeruginosa 741.

phytoalexins, Xanthomonas campestris pv.phaseoli, defense mechanisms, Phaseolus Antibiotic J120-B, penciums, aminoglycoside antibiotics, resudunionas arruginosa 741, phytotalexins, Xanthomonas acrupestris pv.phaseoli, defense mechanisms, Phaseolus, vulgaris 1383. promidic acid, Staphylococcus aureus, Enterobacteriaceae 1556. plants sufficiently acrupestria for a 2458. plants acrupestria for a 2458. plants acrupestria for a 2458. plants acrupestria for a 2458. pouthy 2035. prothracarcin 1668. pouthy 2035. prothracarcin 1668. pseudomonas aeruginosa, aminoglycoside antibiotics+carbenicillin 1619. Pseudomonas aeruginosa, aminoglycoside antibiotics+carbenicillin 1619. Pseudomonas cepacia pigments 1645. Pseudomonas cepacia pigments 1645. Pseudomonas cepacia pigments 1645. Pseudomonas, Escherichia coli, aminoglycoside antibiotics+cephalosporins, antibiotic synergism 736. Pseudomonas, penicillins, disc-diffusion test, interpretation 6145. Pseudomonas, penicillins, clisc-diffusion test, interpretation 6145. Pseudomonas, penicillins, gisc-diffusion test, interpretation 6145. Pseudomonas penicillins, gisc-diffusion test, interpretation 6145. Pseudomonas, penicillins, gisc-diffusion test, interpretation 6145. Pseudomonas, penicillins, gisc-diffusion test, interpretation 6145. Pseudomonas penicillins, gisc-diffusion test, gisc biosynthesis, streptomyces flavovirens 1670. Antibiotic K-582, ience, Metarhizium anisopliae 7169. Antibiotic KA-5685. Saccharopolyspora hirsuta, biosynthesis, isolation, characterization 8891. Antibiotic L-640,876, Antibiotic L-640,876, antibiotic laterial activity 4426, antibiotic laterial activity 4426, antibiotic laterial activity, mechanisms membrane permeability 4409. Antibiotic LL-BM123, N.M.R. 4400. N.M.R. 4400. N.M.R. 4400. N.M.R. 5265. Antibiotic M.9.9. Antibiotic M-92 antibacterial activity, gram-positive bacteria, Neisseria, Staphylococcus aureus, Mycoplasma, antitumor activity 3428. Siolation, Micromonospora verruculosa, antibacterial activity, Staphylococcus Staphylococcus aureus, nafcillin-riffampin, oxacillin-riffampin, antibiotic antagonism 750.

Streptococcus bovis, carbohydrates effects on fungi patulin 273. surfactants, use media (isolation), Salmonella, meat 233. temocillin 6155. temocollin, Escherichia coli 2553. tetracycline, Rickettsia 1640. tetrocarcini, gram-positive bacteria 1671. thiacycline, comparison, tetracycline, doxycycline, minocycline 1637. ticarcillin: botramycin, calcium, magnesium, zinc, effects on, Pseudomonas aeruginosa 754. timethocnim analoos 6035. aureus 6194. aureus 6194. Micromonospora verruculosa sp.nov., biosynthesis 3426. physicochemical properties, Micromonospora verruculosa sp.nov. 3427. Antibiotic MF722-02, antibacterial activity, gram-positive bacteria, inhibition adenosinetriphosphatase 3422. Antibiotic OA-7553, Streptomyces hygroscopicus subsp.hiwasaensis, purification, characterization, antibacterial activity, Mycobacterium, gram-positive bacteria 7179. Antibotic PN-1350,

Streptomyces biosynthesis, characterization, antibacterial activity, gram-positive bacteria 3432.

Antibotic PR-1350,

Colidedinorio truncatum, biosynthesis, characterization, antibacterial activity of aeruginosa 754
trimethoprim analogs 6035.
L-usnic acid, biosynthesis, lichens 6.
vancomycin+ geniamicin, vancomycin+ tobramycin, antibiotic synergism,
Staphylococcus aureus 771.
vancomycin+ rifampicin, Enterobacteriaceae 772.
virenomycin- omponents 779.
Antibacterial agents,
activity, in vitro, conferences, books 6364.
Brachionus plicatilis, food sources, treatment infection, Scophthalmus maximus
larvae, aquaculture 7609.
± dimethyl sulfoxide, antibacterial activity 7919.
evaluation, sulfate-reducing bacteria, radiorespirometry methodology 6320.
feeds additives, residues analysis, Irvestock 252. Antibiotic resistance nulnioric resistance, amikacin, gram-negative bacteria clinical isolates 4281. aminoglycoside antibiotics, erazymes, Streptococcus faecalis 3291. aminoglycoside antibiotics, Staphylococcus, plasmids transfer 7046. aminoglycoside antibiotics, Steptomyces tenebrarius 1539. amoxicilin, Streptococcus sanguis oral cavity isolates, relationship dental caries prophylaxis 8734. ampicillin, chloramphenicol, Haemophilus influenzae, Streptococcus pneumoniae 7985. tremycin 3438.

Mycobacterium lepraemurium drug sensitivity testing 2466.

nalidikic acid analogs, antibacterial activity 5187.

phenylacetic acid, 2-naphthylacetic acid, diphenylacetylglycine, antibacterial activity 660. 7985.
ampicillin, Haemophilus influenzae, relationship, biotyping 7048.
ampicillin, Haemophilus influenzae, relationship, biotyping 7048.
ampicillin, role β-lactamase, Haemophilus influenzae 2400.
ambibito sensitivity testing, Pseudomonas aeruginosa 7023.
antibiotic sensitivity testing, Salmonella, Eschenchia coli. Pasteurella haemolytica, Pasteurella multocida, animal isolates, surveys 634.
antibiotic sensitivity testing, Salmonella, isolates, surveys 634.
antibiotics prophylaxis inflection association surgery, man, reviews 9634. activity 9660, production, tryptone heat treatments 8777, pyridonecarboxylic acid derivatives, antibacterial activity 5190, quinazolinones 5186.
Stoechospermum marginatum diterpenoids, antibacterial activity, Staphylococcus aureus 3315.
Structure-activity relationships 6044, treatment, infection, bacteria, association, drug resistance induction, cattle association, cadmium sensitivity, Escherichia coli plasmids 1536. association colonial characteristics, Serratia marcescens 4283. asr, modification enzymatic, aminoglycoside antibiotics, Pseudomonas aeruginosa, Enterobacteriaceae 640. association, Proteus clinical isolates, Proteocine sensitivity typing 3264. Bacillus sphaericus, Bacillus licheniformis 9642. Antibiotic A-19009,
Streptomyces collinus, structure, antiprotozoal activity, Trichomonas vaginalis 8916. 8916.

Antibiotic AL-87,
effects on bacteria fatty acid composition 8895.

Antibiotic AM-2604 A,
biosynthesis, Streptomyces, antiviral activity 3354.

Antibiotic antiagonism,
acyluredopenicillins-cephalosporins, antibacterial activity, in vitro 6144.
celotaxime, 3-desacelylicelotaxime 6118.
celtriaxone, 4-aminoglycoside antibiotics, Pseudomonas aeruginosa 7986.
nafcillin-rifampin, oxacillin-rifampin, antibacterial activity, Staphylococcus
aureus 750. Bacillus shrandensis 661. bacteria 9640. bacteria 9641. bacteria, aminoglycoside : actena, aminoglycoside antibiotics, clinical aspects, dosage frequency effects on 6002. bacteria, aminoglycoside antibiotics, clinical aspects, conferences 6366, bacteria, aminoglycoside antibiotics, epidemiology, plasmids association, France 6006 bacteria, aminoglycoside antibiotics, incidence, Switzerland, clinical surveys 6003 aureus 750.
pencillins, ceftzoxime, cefoxitin 2533.
pencillins, chloramphenicol, rifampicin, Listeria monocytogenes 5247.
piperacillint-cetoperazone, gram-negative bacteria, Staphylococcus,
Enterobacteriaceae 3387.
Antibiotic AT-265, 6003
bacteria, aminoglycoside antibiotics, role enzymes inactivation mechanisms 6005.
bacteria, animel isolates, surveys 3287.
bacteria, asocaciation, 7-tydroxytropolone inhibition
aminoglycoside-2"-O-adenyltransferase 652.
bacteria, clinical isolates 7024.
bacteria, epidemiology 9647.
bacteria, epidemiology 9647.
bacteria, pathogenicity 2415.
bacteria, pathogenicity 2415.
bacteria, pathogenicity 2415.
bacteria, role, plasmids 6017. structure, antibacte Antibiotic A35512B, cterial activity 1672. glycoproteins, structure, N.M.R., Streptomyces candidus 8027. Antiblotic Bu-2470. Bacillus circulans biosynthesis, physicochemical properties, antibacterial

```
Antibiotic resistance, (continued)
bacteria, septicemia, man 645.
bacteria urinary tract isolates, antibiotic sensitivity testing 4287.
Bacteroides fragilis, clindamycin, in vitro 685.
Bacteroides, role, β-lactanase, punification, characterization 4594.
Candida albicans, amphotericin B+ketoconazole 3307.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Antibiotic resistance, (continued)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Enterobacteriaceae 5271.

Enterobacteriaceae 5271.

mutants, Azotobacter vinelandii, nitrogen fixation 9618.

Mycobacterium intracellulare, association, membrane perm
Neissena gonorrhoeae, β-lactamase, clinical isolates 3295.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Neisseria gonorrhoeae, β-laciamse, clinical isolates 5295.
norfloxacin, Pseudomona aeruginosa, Escherichia coli, media (selective) 2404.
nystatin, Candida albicans, clinical isolates, oral cavity candidiasis 8746.
nystatin, sterol composition, plasma membranes, Candidiasis 8746.
nystatin, sterol composition, plasma membranes, Candidiasisiona 3277.
oxytetracycline, minocycline, Staphylicococus aureus clinical isolates 3288.
Pasteurella, animal isolates, cattle, respiratory tract diseases 7864.
Pasteurella haemolytica, isolation, cattle 8722.
penicillin, Neisseria gonorrhoeae, plasmids 3270.
penicillin, Neisseria gonorrhoeae, plasmids 3270.
penicillin, Streptomyces cacaci mutants, role, penicillin-binding protein 3297.
plasmids, β-lactam antibiotics, aminoglycoside antibiotics, Shigella sonnei 4278.
       Bacterroides, role, p-tactamase, punication, characterization 4594.

Candida albicans, amphotericin B+keticoonazole 3307.

Candida, amphotericin B 3308.

Gotolaxime, B-lactam antibiotics, reviews 5997.

cefuroxime, Eschenchia coll isolates 7893.

cephalosponns, association, B-lactamanse, uptake, Escherichia coli 9644.

cephalosponns, Stebenchia coll isolates 7893.

cephalosporins, Neisseria gonorrivoeae 9637.

cephalosporins, Neisseria gonorrivoeae 9637.

cephalosporins, Staphylococcus aureus 5160.

cephalosporins, Staphylococcus aureus 7035.

Chlamydia psittaci, isolation, Anatidae 8741.

chloramphenicol, analogs, R. factor R56. R. factor R55-1. Escherichia coli 654.

Chloramphenicol, oxyletracycline, R. factors, Staphylococcus aureus 2403.

clindamycin, Bacteroides fragilis, detection 9655.

clindamycin, Bacteroides fragilis, dise-cliffusion test 7031.

clindamycin, Bacteroides fragilis, dise-cliffusion test 7031.

clindamycin, epythomycin, letracycline, transfer, Clostrichium difficile 6011.

clindamycin, epythomycin, eteracycline, transfer, Clostrichium difficile 6011.

clindamycin, epythomycin, eteracycline, transfer, Clostrichium difficile 6011.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4278
plasmids, genetic control. Escherichia coli 2394.
plasmids, structure, incidence, Enterobacteriaceae 6025.
plasmids, striucture, incidence, Enterobacteriaceae 6025.
plasmids, trimethopinm, gram-negative bacteria, isolation, characterization 7872.
polymyxin, plasma membranes latty acid composition, Pseudomonas aeruginosa 2414.
polymyxin, Pseudomonas aeruginosa, association, outer membranes membrane
permeability 632.
population studies, Escherichia coli, Enterobacter cloacae 629.
Propionibacterium, clinical isolates, acne 8736.
Pseudomonas aeruginosa, plasmids, genes 1544.
relationship, cations effects on protein H1 biosynthesis, Pseudomonas aeruginosa
envelopes 5158.
           87/3.
Clostridium perfringens, meat isolates 5235.
coliforms, detection, sea water 7902.
coliforms, isolates, poultry 7030.
coliforms, swage treatment, urbanization, effects on 7879.
coliforms, Streptococcus, sainomycin feeding, chickens effects on 3289.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                envelopes 5158.
Rhizobium 2410.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Phizobium 2410.

Rhizobium 2410.

Riampian, Vibno cholerae, $-D-galactosidase, catalase, alkaline phosphatase activity 6018.

Riampian 2510.

Riamp
           development, bacteria 6020. development pedaligi, chickens enects of 32t development, bacteria 6020. enhancement mechanisms, genetic analysis, Escherichia coli 7894. Enterobacter cloacae, cephalosporins, role, β-lactamase activity 7036. Enterobacteriaceae 9636.
           Enterobacteriaceae 9636.

Enterobacteriaceae, clinical isolates 6021.

Enterobacteriaceae, fresh water, harbors sediments isolates 9645.

Enterobacteriaceae infection, juveniles, cattle 643.

Enterobacteriaceae infection, juveniles, cattle 643.

Enterobacteriaceae, isolates, pneumonia, bronchitis, man 1537.

Enterobacteriaceae, pseudomonas 2393.

Enterobacteriaceae, Pseudomonas 2393.

Enterobacteriaceae, transfer, R factors, wastewater treatment 1548.

Enterobacteriaceae, transfer, R factors 1543.

erythromycin, Streptomyces erythraeue, association adenine dimethylation 638.

Escherichia coli, ampicillin, cephalothin, relationship β-lactamase activity 7028.
       Escherichia coli, ampicillin, cephalothin, relationship β-lactamase activity 7028.

Sschericha coli, animal isolates 665.

Sscherichia coli, corebrospinal fluid clinical isolates 7904.

Sscherichia coli, colinical isolates 5153.

Sscherichia coli, diarrhae isolates, cattle, juveniles 1534.

Sscherichia coli, identical solates 5153.

Sscherichia coli, identical solates 1524.

Sscherichia coli, identicaliano, contamination 8728.

Sscherichia coli, identicaliano, contamination 8728.

Sscherichia coli, indiscipates 4779.

Sscherichia coli, plasmid pKHB0 relationship 631.

Sscherichia coli, poltry animal isolates 1535.

Sscherichia coli, soleromycin, association ton A gene proteins 641.

Sscherichia coli, isoleromycin, association ton A gene proteins 641.

Sscherichia coli, iurinary fract clinical isolates 7034.

Escherichia coli iurinary fract clinical isolates 7034.

Sscherichia coli iurinary fract clinical isolates 7034.

Factors, Escherichia coli iurinary inactionical solates, chickens 7043.

Factors, Singella 7044.

Factors, Singella 7044.

Factors, Singella 7044.

Factors, Singella 7044.

Factors, Singella 7044.
                         7028
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Staphylococcus aureus, isolation, operating theaters, nasopharynx, medical personnel 8980.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            personnel 8980.

Staphylococcus aureus, macrolide antibiotics 9646.

Staphylococcus aureus, methicillin 3267.

Staphylococcus aureus, methicillin 3403.

Staphylococcus aureus, penicillins, erythromycin 3290.

Staphylococcus aureus, penicillins, erythromycin 3290.

Staphylococcus aureus, piasmids transfer, relationship phage typing 8721.

Staphylococcus aureus, Staphylococcus intermedius, animal isolates 3279.

Staphylococcus epidermidis 3292.

Staphylococcus pidermidis 3292.

Staphylococcus, N-formimidoyl thienamycin 7041.

Streptococcus, M-formimidoyl thienamycin 7041.

Streptococcus group D 8-leatam antibiotics, role, penicillin-binding protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Streptococcus group D, β-lactam antibiotics, role, penicillin-binding protein 4273.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4273.
Streptococcus group D, aminoglycoside antibiotics 6024.
Streptococcus pneumoniae, British Isles 648.
Streptococcus pneumoniae clinical isolates 3300.
Streptococcus pneumoniae, clinical isolates, association, R factors detection
         Tusicio acid, Eschenichia coli piasmidi genetic control, role, ciniorampinenicol acelytiransferase 9649, genes, streptomycin, Escherichia coli, mutants, selection methodology 4481. gentamicin, cardenicillin, Pseudomonas aeruginosa, β-lactam antibiotics antibacterial activity 740. gentamicin, kanamycin, chloramphenicol, Salmonella typhimurium clinical isolates 4282.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5163.

Streptomyces azureus, Streptomyces erythraeus, Streptomyces vinaceus, Streptomyces fradiae, genes, cloning, characterization 1521.

Streptomyces coelicolor - Streptomyces olivaceus, interspecific hybridization 9716.

Streptomyces cremeus, mutants, auxotrophs, nebramycin biosynthesis 8020.

Streptomyces glaucescens, streptomycins 4382.

Streptomyces vinaceus, Streptomyces coelicolor, genes, cloning 1523.

streptomycin, aerobic bacteria, drinking water isolates 1533.

streptomycin, N-methyl-N-ritro-N-nitrosoquanidine induction mutation

Streptomycis, Streptomyces griseus, factors affecting, inactivation, enzymes
1547.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           5163
           gentamicin, methicillin, plasmids, Staphylococcus aureus 6019.
gentamicin, methicillin, Staphylococcus aureus, Eire hospitals isolates, plasmids
         rote 7032.

gentamicin, Staphylococcus aureus, conjugate plasmids analysis 8738.

gentamicin, virulence, natural selection, Pseudomonas aeruginosa 6012.

gram-positive bacteria, haematoporphyrin derivatives effects on 3269.

Haemophilius influenzae, Haemophilius parainfluenzae, chloramphenicol, tetracycline 7873.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1547.
streptomycin, sulfamethoxazole, Yersinia enterocolitica 2524. streptothricin, Escherichia coli 3285. transfer, Shigella, Italy 8829. urnany tract infection clinical isolates 2418. viomycin, biosynthesis, Streptomyces puniceus 7161. Artibiotic Ro 22-5417, biosynthesis, structure, Streptomyces clavuligerus 6197. stereochemistry, Streptomyces clavuligerus 6193. Streptomyces clavuligerus 6193. Streptomyces clavuligerus 6193. Artibiotic Ru28965.
         Haemophilus influenzae, plasmids characterization, transfer, β-lactamase 644.
kanamycin, characterization, plasmid R1drd-19 1520.
kanamycin, tetracycline, R factors, Rhizobium japonicum 7875.
β-lactam antibiotics, β-lactamase induction, Proteus vulgaris, Proteus
       retigen 3005.

8-lactam antibiotics, 8-lactamase, Pseudomonas aeruginosa 7878.

8-lactam antibiotics, Clostridium perfringens, association, penicillin-binding protein 9851.

9-lactam antibiotics, role membrane permeability, porins, Escherichia coli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Streptomyces clave
Antibiotic RU28965,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                antibacterial activity 8041.
Antibiotic RU29065,
     1042.
S-lactam antibiotics, Staphylococcus aureus, temperature effects on 3282.
Lactobacillus, Bifidobacterium 8724.
lincomycins, streptogramins, macrolide antibiotics, Enterobacteriaceae, animal isolates 660.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ial activity 8041.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Antibiotic RU29702,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                antibacterial activity t
Antibiotic Sch 29,482
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8041
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ntibacterial activity, Neisseria gonorrhoeae 3444.
       macrolide antibiotics, lincomycin, clindamycin, Streptococcus, mastitis isolates
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Antibiotic SC4-X,
     2398 mechanisms, Staphylococcus aureus, β-lactam artibiotics 3268 methicilin, fatty acid composition, Staphylococcus aureus, Staphylococcus aureus, Staphylococcus aureus, Staphylococcus aureus 9648. methicilin, phospholipid composition, Staphylococcus 655. methicilin, protein composition, Staphylococcus 655. methicilin, Staphylococcus aureus 8740. methicilin, Staphylococcus aureus 8740. methicilin, Staphylococcus aureus, nosocomial environments 3301. methicilin, Staphylococcus aureus, septa, peptidoglycans, biosynthesis, role 5148.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          antibacterial activity, antifungal activity, purification, characterization, 7164.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              7164.
Artibiotic sensitivity testing,
Acinetobacter calcoaceticus, burn infection isolates 1597.
Actinomadura 6109.
Actinomycetes, isolation, Alnus nodules, rhizosphere 664.
agar diffusion test, ceftazidime, Escherichia coli, Staphylococcus aureus,
Pseudomonas aeruginosa 4371.
agar diffusion test, Mycobacterium 9657.
aminoglycoside artibiotics, 9-lactam antibiotics, Yersinia enterocolitica,
Bacteroides corrodens, Streptococcus pneumoniae 6089.
```

moxalactam, cefoperazone, cefotaxime, antibiotic sensitivity testing.

Antibiotic sensitivity testing, (continued)
armnoglycoside antibiotics, Enterobacteriaceae, Pseudomonas aeruginosa, Serratia
4351. Antibiotic sensitivity testing, (continued) ceturoxime 5240.

Neissena gonorrhoeae, Thailand 7078. Necardia, aminoglycoside antibiotics, 3-lactam antibiotics 2517 Nocardia asteriodes, β-lactam antibiotics 3384. Neissensity of the statement of the st Antibiotic sensitivity testing, (continued) aminopydostae aminolinals, chinobaechistostae 4351.

aminopyloosida aminolinals, chinobaechistostae 4351.

aminopyloosida aminolina, Staphyloococus aureus 3378.

amaerobic bacteria 2727.

amaerobic bacteria 2728.

amaerobic bacteria 2729.

amerobic microorganisms, methodology 1593.

aminal isolates, methodology 2504.

antibiotic resistance, Salmonella, Escherichia coli, Pasteurella haemolytica,

Pasteurella muttocida, aminal isolates, surveys 634.

Autobac test, Aeromonas hydrophila 9731.

automated methods, micromethods, bacteria 9729.

Bacillus stearothermophilus var.calidolactis 5180.

bacteria 6113. automated methods, micromethods, bacteria 9729.
Bacillus stearothermophilus var.calidolactis 5180.
bacteria 6111.
bacteria 7984.
bacteria 6111.
bacteria 7984.
bacteria, antibacterial activity quantitation methodology association 5239.
bacteria, almiticational agents 5233.
bacteria, clinical isolates 2522.
bacteria, clinical isolates 2522.
bacteria, clinical isolates 2522.
bacteria, clinical isolates 7131.
bacteria urinary tract isolates, antibiotic resistance 4287.
bacteria urinary tract isolates, antibiotic resistance 4287.
bacteria, use, laser nephelometry automated methods 9737.
bacteriodes corrodens, carbon dioxide levels effects on 2507
Bacteroides corrodens, carbon dioxide levels effects on 2507
Bacteroides corrodens, carbon dioxide levels effects on 2507
Bacteroides fragilis 7130.
Cefpolerazone, Ciotafidium portingens, Bacteroides fragilis, Bacteroides fragilis subsp. pletalosominos 9743.
Ceffoletan, bacteria 4352.
cefoletan, b bacteria 6111 bacteria 7984 Rickettsia rickettsii, doxycycline 1638. Salmonella 5232. Salmonella 5232.
Salmonella clinical isolates 6112.
Salmonella clinical isolates 6112.
Salmonella clinical solates 720.
Shigella, antibiotic resistance transfer, Italy 8829.
Shigella, clinical isolates 714.
Shigella, incidence, Ethiopia 2525.
Staphylococcus aureus 7072.
Staphylococcus aureus, β-lactam antibiotics 7978.
Staphylococcus aureus, addicts isolate, methicillin resistance, susceptibility, strains 3393.
Staphylococcus aureus, edinical isolates 2390. Staphylococcus aureus, aductes societe, meminim resistance, susceptionity, strains 393.
Staphylococcus aureus, clinical isolates 3389.
Staphylococcus aureus, solation, operating theaters, hospitals, nasopharynx, medical personnel 8960.
Staphylococcus, clinical isolates 6105.
Staphylococcus, clinical isolates 874.
Staphylococcus, clinical isolates 9734.
Streptococcus, clinical isolates 9748.
Streptococcus, clinical isolates 724.
Streptococcus group B 7966.
Streptococcus group D cephalosporins 9748.
Streptococcus group D cephalosporins 9748.
Streptococcus pneumoniae, relationship meningitis treatment, man 8817.
Streptococcus, pneumoniae, serotypes 5230.
Streptococcus, use, tetrazolium reduction, methodology 9975.
Vibrio cholerae, water isolates, reservoirs 7968.
Vibrio, dilution tests, agar diffusion test 3388.
yeasts 2502. yeasts 2502. Yersinia 2524. Yersinia pestis 6110 Antibiotic SM-1652, Antibiotic Swi-1952,
antibacterial activity 734.
antibacterial activity 3398.
Antibiotic SQ 26,917,
B-lactamase stability, antibacterial activity, gram-positive bacteria,
anaerobic bacteria 8039. Antibiotic synergism, amarohic bacteria 8039.

Antibiotic synergism, amikacin, gentamicin, ± carbenicillin, ± piperacillin, antibacterial activity, Pseudomonas aeruginosa 755.

aminoglycoside antibiotics+cephalosporins, antibacterial activity, Pseudomonas, Eschenicha coli 736.

Eschenicha coli 736.

amoxicillin+clavulanic acid, antibacterial activity, Mycobacterium tuberculosis 8845 antibacterial activity, daunomycin transformation, Streptomyces erythrchromogenes antibacterial activity, dauriomycin transformation, Streptomyces erymiciiromogeneis sp. nov. 675.
antibacterial activity, Mycobacterium intracellulare 3309.
azlocilin, aminoglycoside antibiotics, Pseudomonas aeruginosa 8849.
cefotaxime, 3-desacetyloefotaxime 6118.
cefotaxime, 3-desacetyloefotaxime, Profess morganii, Pseudomonas acidovorans, Pseudomonas cepacia 61ntibiotics, cephalosporins, antibacterial activity, gram-negative bacilii, Staphylococcus 2531.
cefitzoxime, gentamicin, antibacterial activity, gram-negative bacilii, Staphylococcus 2531. infection, man 6098. Fusobacterium, Bacteroides 725 Fusobacterium, Bacteroides 725. Fusobacterium necrophorum siolates, cattle liver abscesses 7121. gastroenteritis bacteria isolates 2521. gram-negative bacilli, ceptalosporins 2449. gram-negative bacilli, gentamicin resistance, β-lactam antibiotics 4342. gram-positive bacteria, etichomycin, vancomycin 6202. Haemophilus ducreÿr chancroid clinical isolates, association, treatment, man cettizoxime, gentamicin, antibacterial activity, gram-negative bacteria isolates 2539.
cettizoxime, tobramycin, antibacterial activity, Pseudomonas aeruginosa 2534.
cettizaxome, +aminoglycoside antibiotics, Pseudomonas aeruginosa 7986
cephalexin, alafosfalin, index, fractional inhibitory concentration 7989.
cephalethin, gentamicin, antibacterial activity analysis, methodology, Klebsiella pneumoniae 6123.
δ-cis-carbapenem +β-alcatam antibiotics, inhibition, β-lactamase, bacteria 1683. 5191 Haemophilus influenzae, Haemophilus parainfluenzae, chloramphenicol, tetracycline Haemophilus influenzae, Streptococcus pneumoniae, clinical isolates 7985. Haemophilus parahaemolyticus animal isolates 5189. Inoculum standardization equipment 9730.

3-lactam antibiotics, Streptococcus group B 723.

Legionella pneumophila 9736.

Legionella pneumophila 9736.

Legionella pneumophila 9736.

Inecillinam, Salmonella, Shigella, Vibrio cholerae 3407. methanogenic bacteria, ribosomes profleri biosynthesis 2423 methodology, factor affecting 6305.

methodology, factor affecting 6305.

methodology, gram-negative bacteria 9039. methodology, gram-negative bacteria 9039. methodology, gram-negative bacteria 9039. methodology, Staphylococcus aureus 4381. microflora, ottis media, exudatus, man, antimicrobial agents treatment 1586. moxalactam, celoperazone, celotoxime, Enterobacteriacoae 5271. moxalactam, disc-diffusion test, quality control 9745.

Mycobacterium, cephalosportis 7996.

Mycobacterium fortuitum, cephalothin= clavulanic acid, amoxicillin± clavulanic acid 7141.

Mycoplasma 2518. Haemophilus influenzae, Streptococcus pneumoniae, clinical isolates 7985. 5.o-cis-carciapenem+p-lacitam ambiolicis, initiotion, p-lactamase, bactina 16d. ticarcillin, antibacterial activity 6147.

Idaularic acid, ticarcillin, antibacterial activity 6147.

Streptococcus facacials, Streptococcus faecium 1623.

N-formimidolyf thenamycin± gentamicin+amikacin, antibacterial activity, Streptococcus faecials 3417.

gentamicin+carbenicillin, antibacterial activity, gram-negative bacteria 9758.

miconazole+imidazole derivatives, antibacterial activity, Staphylococcus, Propionibacterium acnes 5182.

Propionibacterium 1623.

Propion clavulanic acid 7141.
Mycoplasma 2518.
Mycoplasma 2518.
Mycoplasma 7973.
Meisseria gonorrhoeae 3382.
Neisseria gonorrhoeae 3391.
Neisseria gonorrhoeae 3431.
Neisseria gonorrhoeae 9637.
Neisseria gonorrhoeae clinical isolates 2513.
Neisseria gonorrhoeae clinical isolates, cephalosporins 5242.
Neisseria gonorrhoeae, penicillin G, tetracycline, spectinomycin, cefotaxime, vancomycin+gentamicin, vancomycin+tobramycin, antibacterial activity, Staphylococcus aureus 771. Antibotic T-1982, antibacterial activity 735.

Antibiotic tolerance, B-lactam antibiotics, B-lactamase, screening 637, methicillin, cloxacillin, Staphylococcus aureus 5250. oxacillin, Staphylococcus aureus, pH effects on 3408. penicillin, Streptococcus mitter 1620.

Artibiotic U-0142, Antibiotics, (continued) Intibiotics, (continued) resistance, aerobic bacteria, sepsis isolates 8729, resistant mutant, Vibro, effects on α radiation damage 6026, resistant mutant, Vibro, effects on α radiation damage 6026, resistant mutant. Vibro, effects on α radiation damage 6026, secondary metabolism, microorganisms, books 3636 sensitivity, actionized storage, morphology 7070. sensitivity, bacteria, urinary tract isolates 8813, sensitivity, bacteria, urinary tract isolates 8813, sensitivity. Staphylococcus aureus, association bile acids resistance 2406, sensitivity. Staphylococcus epidermidis 882 sensitivity. Staphylococcus epidermidis 882, sensitivity. Staphylococcus epidermidis 882, sensitivity. Staphylococcus policimidis 1900, sensitivity. Staphylococcus single pidermidis 882, sensitivity single pidermidis 882, sensitivity single pidermidis 882, sensitivity single pidermidis 882 physicochemical properties, Streptoverticillium, taxonomic significance 7163. **Antibiotic U-56,407**,

isolation, characterization 9764. **Antibiotic U-63196E**, antibacterial activity, β-lactamase stability, new records 8832. Antibiotic VA-2. standardization, reviews 2501.

Streptomyces, isolation, soil 3390.

Streptomyces tendae, biosynthesis, antibacterial activity, gram-positive bacteria ambiotorial activity, effects on Staphylococcus aureus 6213.
Antibiotic WF-3161,
Petrella guttualta, biosynthesis, isolation, characterization, antifungal activity, Trichophyton asteroides, antifumor activity 7451.
Antibiotic X-14866, 5076.

Structure, mechanisms, books 7277 structure, mechanisms, books 7277 susceptibility, charecholo bacteria, animal isolates, cattle, pneumonia 7987. susceptibility, clinical isolates, association, Streptococcus group D infectious diseases, man 8826 biosynthesis, Nocardia 6208 Antibiotic Y-T0678H, Chromobacterium violaceum, biosynthesis, antibacteiral activity 9768.

Antibiotic 2926, diseases, man 8826 susceptibility, Haemophilus ducreyi 6103. susceptibility, Haemophilus ducreyi 6103. susceptibility, Haemophilus influenzae clinical isolates 9721. treatment, Mycoplasma plant diseases, technology 5839. treatment, mycoplasma-like organisms infection, trees 5859. treatment, prophylaxis, relationship antibiotic resistance, bacteria 7881. triostins, antibacterial activity 3424. use, bacteriology, immunoassays reviews 1804. use, deconlaimination, gastrointestinal tract anaerobic bacteria, man, in vitro use, deconlaimination, gastrointestinal tract anaerobic bacteria, man, in vitro antitumor antibiotics, Actinomyces, biosynthesis, structure 5543. Antibiotic 315, Gluconobacter biosynthesis, antibacterial activity, antifungal activity 2570. Antibiotic 5590, umor antibiotics, Actinomyces, biosynthesis, structure 5543. Antibiotic 6643-X, streptomyces, fermentation, isolation, characterization 1666. Antibiotics, 8812 acid-base status, aqueous ethanol,
Actinomadura, antagonism gram-positive bacteria 1487.
Actinomose canulus, biosynthesis, characterization, comparison, antibiotic
CC-1065 780. so Iz. use, environmental hygiene, bacteria nosocomiał infection, man 8981. use, media (solation), Shigelfa 6338 use, media (solation) use Myxobacterales, pure culture 7257. use, Rhizobium strains identification 887. use, Rhizobium strains identification 890. activity, bloassays, media (culture) 7970. activity concentrations, anaerobic bacteria oral microflora, clinical isolates 8814. use, selection microorganisms 8805. Xenorhabdus, activity, Nematoda bacteria fungi 3372. activity, in vitro, treatment, diseases, historical account 9701, administration, long-term effects, association, sanitation, food contamination Antibodies, Intibodies, anti bichoic acid. Staphylococcus aureus, counter immunoelectrophoresis, immunodiagnosis, infection 9927. antipen IV, Salmonella typhi, detection, enzyme-linked immunosorbent assay 9920. Aspergillus furnigatus, enzyme-linked immunosorbent assay detection, aspergillusis, man 9990. Aspergillus furnigatus, man, enzyme-linked immunosorbent assay methodology 3624. Bordefeltal bronca, detection, enzyme-linked immunosorbent assay, methodology 3611. Bordefeltal pertussis hemagglutnins, enzyme-linked immunosorbent assay 889. Bordefeltal pertussis, radioimmunosasay detection, cattle 1789. bovine leukemia virus, detection, enzyme-linked immunosorbent assay, use, monoclonal antibodies 4474. Brucella abortus lipopolysaccharides, purification 9914. 7580.

animal wastes fermentation, microorganisms, effects on methane gas production antibacterial activity, aerobic bacteria, temperature effects on 1603. antibacterial activity, bioassays, media (culture) 7972. antibacterial activity, bioassays, media (culture) 7972. antibacterial activity, dose-response effects 2510. antibacterial activity, dose-response effects 2510. antibacterial activity, measurements 722. antibacterial activity, measurements 722. antibacterial activity, Streptococcus group D, Streptococcus group G 719. antibacterial activity, Streptococcus group D, Streptococcus group G 719. antibacterial activity, Streptococcus group D, Streptococcus group G 719. antibacterial activity, Streptococcus group D, Streptococcus group G 719. antibiacterial activity, detection methodology, Neurospora crassa protoplasts 5440. antimicrobial activity, treatment, infectious diseases, books 1817. assays, body fluids 9724. Azotobacter, antifungal activity, trungi 5933. bacteria, antifungal activity, Phytophthora cactorum 8633. Basidomycetes, antimicrobial activity, bacteria, flungi 2496. biosynthesis, characterization, N.M.F.I., methodology, reviews 7988. biosynthesis, actinomycetes, sol microorganisms, screening, micromethods, radioactive labelling tracers 9882. biosynthesis, microorganisms, screening, books 2727. biosynthesis, microorganisms, screening, books 2727. biosynthesis, imcroorganisms, screening, books 2727. biosynthesis, scriptomyces, gene distribution 1594. biosynthesis, incroorganisms, screening, books 2727. biosynthesis, incroorganisms, screening, books 2727. biosynthesis, increptomyces, gene distribution 1594. biosynthesis, increptomyces, gene distribution 1594. biosynthesis, increptomyces, ge animal wastes fermentation, microorganisms, effects on methane gas production 1039 monoclonal antibodies 4474.

Brucella abortus lipopolysaccharides, purification 9914.

Brucella, agglutination 4484.

Chlamydia trachomatis, detection, enzyme-linked immunosorbent assay 3605.

coatings sheep red blood cells, agglutination, detection rotavirus (human) 9856.

coronavirus, detection, enzyme-linked immunosorbent assay 9849.

equine infectious anemia virus, indirect fluorescent antibody test detection,
methodology 6290.

hepatitis A virus detection methodology 3531.

hepatitis A virus detection methodology 3530.

hepatitis B virus detection methodology 3530. hepatitis B surface antigen, detection, use, immunoassays, solid phase methods 4470.
hepatitis B virus, antigens, cross-reactivity use, woodchuck hepatitis virus detection, radiommunoassay 9861.
influenza virus, characterization, complement fixation, methodology 9863.
labelling, X radiation probos, diagnosis methodology, salmonellosis 1799.
Legionella pneumophila, detection, enzyme-linked immunosorbent assay 9902.
Leptospria interrogans ser. hardjo, Leptospria interrogans ser. pomona, enzyme-linked immunosorbent assay, cattle 8118.
measles virus, detection, comparison, enzyme-linked immunosorbent assay, immune adherence hemagglutination, hemagglutination inhibition, hemolysis 8093.
Mycoplasma pneumoniae, detection, solid phase methods radioimmunoassay 9870.
Neisseria meningitidis, detection, immunoassays, E.S.R., methodology 9966.
poliovirus, detection, radiometry immunoassays 1758.
pseudorabies virus, pigs serum, detection, immunodiffusion 5374, rabbits, binding glyceraldehyde-phosphate dehydrogenase, substrate structure, Saccharomyces cerevisiae 7332.
respiratory syncytial virus, detection, hemadsorption 1742, rotavirus, detection, agglutination methodology 9936.
rotavirus, detection, agglutination methodology 9936.
rotavirus, detection, agglutination methodology 9936.
Staphylococcus aureus teichoic acid, detection, passive hemagglutination 882.
Staphylococcus group A antigen M, detection, passive hemagglutination 6325.
streptbysin O, detection, clinical microbolology 4957. +ethonium, antibacterial activity, Pseudomonas aeruginosa, clinical isolates 2523.
excretion, sheep, milk, effects on yogurt production 4871.
fermentation, Penicillium. Streptomyces, detection, bacteria contamination,
Bactec test 8624.
inhibition zones, bacteria, measuring techniques 9719.
Lactobacillus acidophilus, purification, characterization 9776.
levels, milk, inhibition starter cultures, cheese 8482.
organic matter decomposition, soil microorganisms, effects on 5922.
phenazine, biosynthesis, Streptomyces cinnamonensis 8034.
pretreatment, Escherichia coil ampicillin susceptibility 7061.
production, pacteria, role, genetic engineering 1601.
production, fermentation, regulation, reviews 4675.
production, fermentation, regulation, reviews 4675.
production, fungi, chirality 7127.
production, Melanconis flavovirens, inoculum levels, liquid culture 8022.
production, soil, Streptomyces, reviews 4403.
production, sue, fungi, reviews 5234.
+ propolis, antibacterial activity, Staphylococcus aureus 6058.
proteins, purification, characterization, Lactobacillus acidophilus 6207.
Pseudomonas aeruginosa, purification, physicochemical properties 7175.
residues, identification methodology, milk 8474.

9939
Streptococcus group A antigen M, detection, passive hemagglutination 6325.
streptolysin O, detection, clinical microbiology 4507.
tetanus toxins, blood donors, screening, latex agglutination 3621.
togavirus, detection, enzyme-linked immunosorbent assay, methodology 1746.
Ureaplasma urealyticum, detection, enzyme-linked immunosorbent assay 9871.
visna virus, maedi virus, detection, enzyme-linked immunosorbent assay, sheep,
goats 2651.

Antibody response,
neutralization detection, avian infectious bronchitis virus, chickens 9014.
Newcastle disease vaccines, aerosols, chickens 7188. Newcastle trace and a state of the state of Antifouling substances, antibacterial activity, fouling organisms, metals, sea water 151.
Antifungal activity, ammonia, Phymatotrichum omnivorum, mycelia, sclerotia 696.
amphoterion B. ± polyene antibiotics, ± ketoconazole, ± miconazole, Candida albicans 1633.
amphoterion B, Sporothrix schenckii, temperature effects on 1569.
antifungal agents interaction 1567. Antifouling substances,

Antifungal activity, (continued)
benomyl, inhibition cutnase, Fusarium solani f.sp.pisi 1414.
benomyl, Verticillium dahiae 1412.
benzimidazole, Ceratocystis fimbriata f.sp.platani 694.
brefoldin A. lipid metabolism, Candida albicans 1564.
comparison, finabendazole, sodium orthophenylphenate, CGA-64251, oranges green Antigens, (continued) ntlgens, (continued)
canine distemper virus, immunoglobulin G, detection, enzyme-linked immunosorbent
assay, methodology 5389.
carbohydrates, Legionella, enzyme-linked immunosorbent assay 6307.
cell surface, antigenic determinants, physicochemical properties, Saccharomyces
cerevisiae 6385.
Clostridium difficile, counter immunoelectrophoresis 4477.
concentration standardization association Leptospira agglutination micromethods comparison, thiabendazole, sodium orthophenyiphenate, CuA-04/21, Orariger mold 1319. demosan, effects on membrane structure, milochondria 1416. extracts, Rhizoctonia solani, Sclerotinia sclerotiorum, Sclerotium rolfsii 1570. falcarindiol, biosynthesis, Schefffera digitata, dermatophyte fungi 687. fungicides, foliar applications, Begonia, powdery mildew 1393. hydrogen peroxide, Candida, preservatives, confact lenses 709. Hybtis suaveolens leaves oils, Helminthosporium oryzae 494. ketoconazole, derivatives, Plasmodium falciparum, Candida, clinical isolates coxsackievirus B4, coxsackievirus B5, cross-reactivity, radioimmunoassay 8099.

Cryptococcus, latex agglutination, proteinase effects on interference factors 9992 detection, hemolysis erythrocytes, man 824. detection, Salmonella typhi, feces isolates association typhoid fever, use, agglutination 841. 1566. leaves extracts, Lycopersicon esculentum 695. metalaxyl, Pythium, Phytophthora 481. monolaurin 689, peracetic acid, foot rot, pathogens, Gramineae 1394. polygodial, biosynthesis, Pseudowintera colorata 686. preservatives, wheat post-harvest decay 441. propamocarb, Pythium, Phytophthora 502. propionic acid, feets preservation, fungi, growth, monitoring 1086. Pseudomonas cepacia pigments 1645. sakuranetin, Bothysi cinerea, defense secretions, Ribes nigrum 1379 sakuranetin, Ribes nigrum leaves, Bothytis cinerea infection 1332 surfactants, pears post-harvest decay 1323. thiophanate, Ceratocystis fimbrata f.sp. platani 694. thademenol diasterfeoisomers 693. thadimelon, pyrazophos, ditalimfos, iprodione, tolerance, Ampelomyces quisqualis 1401. agglutination 841.

Eschenchia coli pili, agglutination assays 5383.
hepatitis B virus, antibodies, cross-reactivity use, woodchuck hepatitis virus detection, radioimmunoassay 9861.
hepatitis B virus, use purification, coagulation factor VIII, column chromatography 3542.
herpes simplex virus 2, immunoglobulin G, detection, enzyme-linked immunosorbent assay 7227.
influenza A virus, detection, enzyme immunoassay 9840.
Leptospria brifiexa, agglutination, immunodiagnosis, Leptospirosis, man 5380.
localization, methodology comparison, Pasteurella haemolytica, cryopreservation 849 microorganisms, detection, enzyme-linked immunosorbent assay methodology 7216. microorganisms, enzyme-linked immunosorbent assay+electrophoresis 6285. Neisseria gonorrhoaea, enzyme-linked immunosorbent assay 3585. Neisseria meningitidis, detection, enzyme-linked immunosorbent assay 5396. Neisseria meningitidis, Haemophilus influenzae, detection, latex agglutination Artigen (enterobacidas of the common).

Sachward (assate of the common).

Antigen (enterobacidas of the common).

Sachward (enterobacidas of the common).

Sachw Clostridium botulinum, purification, characterization 2742.

Antigen VI,
Salmonella typhi, enzyme-linked immunosorbent assay, detection, antibodies 9920.

Antigen-antibody complexes,
hepatitis B surface antigen, detection polyethylene glycol turbidity 826.
hepatitis B surface antigen, enzyme-linked immunosorbent assay, use
sercepidemiology, man 822.

Antigenic characteristics,
bean yellow mosaic virus infection, Vicia taba 1128.
parvovirus (canine) vaccines 2598.

viruses_praearyation_blosophorous lungstic acid+ammonium molybdate, storage sensitivity, Staphylococcus aureus, nose clinical isolates 3313.
skin disinfection, man, books 6359.
+ soaps, use, man, reviews 6277.
specificity, cell cycle, Schizosaccharomyces pombe 690.
Staphylococcus clinical isolates, susceptibility 3281.
susceptibility, Escherichia coll, statistical analysis methodology 1795.
synthesis, biological properties 8773.
topical application, reviews 6080.
treatment, orbits media, microflora, exudates, man, antibiotic sensitivity
testing 1596.
urine, bioassays, Bacillus subtilis spores 9708.
use, drug sensitivity testing, antimicrobial agents efficacy 9702.
yeasts, tood contamination, bakery products, water effects on 240.
Antimycobacterial agents,
- dimethyl sufloxide, antimycobacterial activity, Mycobacterium
avum-intracellulare 2401.

Antimooplastic drugs,
+ β-lactam antibiotics, synergism, antibacterial activity, gram-negative
bacilii 3385. viruses, preservation, phosphorous tungstic acid+ammonium molybdate, storage 7226. Antigenic determinants, antigen O, trisaccharides synthesis, Salmonella, Escherichia coli 2821. anuguri V, usacariarioes synthesis, Salmonella, Escherichia coli 2821. cell surface antigens, physicochemical properties, Saccharomyces cerevisiae 6385. enterotoxins, Vibrio cholerae, Escherichia coli 6714. lippoplysaccharides, Salmonella, binding, serum, bactericidal activity, mice 2452. proteinase, purification, immunochemistry, Pseudomonas fluorescens 8291 Rauscher leukemia virus, glycoproteins, molecular weight, monocional antibodies, precipitation, methodology 1748. Antigenic varients, plants viruses, detection, enzyme-linked immunosorbent assay 1757. Antigenicity, herpesvirus (equine) 1 vaccines, production, chickens 8053. herpesvrus (equina) | 1900-1900 | Antigens, adenovirus, detection, immune adherence hemagglutination 9846, attachment, methodology, enzyme-linked immunosorbent assay, detection, rubella virus immunoglobulin G 9851, bacteria, expression, immunoassays detection 9874. hacilli 3385 Ontolicidants,
antibacterial activity 7084.
antimicrobial activity, Escherichia coli, Staphylococcus aureus, Candida albicans

4319

ntirrhinum, rust, disease resistance, plant breeding 3140.

hospitals, bacteria disinfection 5347. hospitals, bacteria disinfection 5348. mechanisms, bacteria resistance 2408

ntlaera,
comparison, indirect fluorescent antibody test, Bacteroides fragilis 1803.
disease control, viruses, ornamental plants 2270.
Glomus chlamydospores, production 6965.
media (culture), Ureaplasma urealyticum killing 833.
production, foot-and-mouth disease virus, vaccines, guinea-pigs 5284.
production, rabbits, enzyme-linked immunosorbent assay, barley yellow dwarf
virus, cowpea mosaic virus 6297.
Staphylococcus aureus serotyping, media (culture) effects on 881.
nttoxins,
[inpn]: screening: identification, characterization, methodology 898.

Mattoxins, screening, identification, characteration, embody 898 mittoxins, fungi, screening, identification, characteration, methody 898 mittoxins, screening, identification, characteration, embody 898 mittoxins are sensitively expensively expen

coct."
mycotinenins, Streptomyces rishiriensis biosynthesis, structure 2828
neocarzinostatin, Streptomyces carcinostaticus, radioimmunoassay 9202
Pseudomonas yoshitomiensis, bactobolin production, culture conditions 8347.
purification, characterization, antitumor activity, Actinomycetes, screening

zds.5.
screening methodology, detection, Acthomycetes 2581.
Streptomyces coerulescens, isolation, structure 1647.
ntitviral activity,
2-amino-5-(2-sulfamoylphenyl)-1,3,4-thiadiazole, structure-activity relationships

1573. EDTA treatment, tobacco mosaic virus infection, Nicotiana tabacum, Phaseolus

herpes simplex virus 1, herpes simplex virus 2, antiviral agents synergism 1572.

Interferon, inhibition, protein biosynthesis, vesicular stomatitis virus 1575.

Interferon, Moloney leukemia virus, virions, infection, cells, biochemical analysis 600

analysis 698. β-interferon, synergism, antiviral agents, herpes simplex virus 1, Vero cells

697

nonolaurin, ± butylated hydroxyanisole, ± sorbic acid, ± methyl hydroxybenzoate 700. Phytoliaca americana proteins, chemical modification effects on 1576. quaternary ammonium compounds 1571. tromantadine, herpes simplex virus 1 replication 1574.

tromantadine, herpes simplex virus 1 replication 1574.

ntitiviral agents,
activity, in vitro, conferences, books 6364.
activity, neasurement, nucleic acids hybridization analysis, cytomegalovirus DNA
biosynthesis 8798.
antiviral activity, clinical aspects 3367.
antiviral activity, influenza virus, reviews 5215.
D-arabinofuranosyl derivatives 3342.
E-5-(2-bromoviryi)-2-deoxyuridine, antiviral activity, herpesvirus 5218.
Chenopodium amaranticolor, isolation, characterization, tobacco necrosis virus
infection 8583.
Cilvia ministra alticaloids antiviral activity 6669.

infection 5983.

Clivia miniata alkaloids, antiviral activity 6069.

Cuscuta reflexa extracts, antiviral activity 6072.

9-(1,3-dihydroxy-2-propoxymethyl)guanine, antiviral activity, herpes simplex virus 5217.

\$\(\) (1,3-\) almyoroxy-z-propoxymentyliguarine, antiviral activity, herpes simplex virus 5215.

\$\(\) (3,4-\) dihydroxybutyl) guanine, antiviral activity, herpes simplex virus replication 5216.

\$\(\) effects on rhabdovirus replication 6068.

\$\(\) \(\) effects on habdovirus replication 6068.

\$\(\) \(\) effects on habdovirus replication floos.

\$\(\) holocopymentyling floos.

\$\(\)

synencyjsm, antiviral activity, herpes simplex virus 1, herpes simplex virus 2 1572.

1572.
thiosemicarbazones, antiviral activity 7098, thiosemicarbazones, synthesis 7114, tritluorothymidine, cytomegalovirus (human) 3347.
titlurothymidine, cytomegalovirus (human) 3347.
totls, interferon 3345
cells, interferon affects on 3350.
lysoiecithin permeabilized mice 313 cells, interferon induction 3370.
selicillin, antibacteral activity 2556.
senteles melanoscelus, + Bacillus thuringiensis, pathogens, biological control, Lymantria dispar 2832.
interaction, Lymantria dispar, role, Bacillus thuringiensis aerial applications 3722.

3722.

hanomyces eutelches,
root rot, Interaction stem rot, Fihizoctonia solani, Pisum sativum 9328.
root rot, Phaseolus vulgaris, incidence, USA, Wisconsin, bioassays 3923.
hanomyces eutelches (.ap.phaseoll,
wirulence, Phaseolus vulgaris, comparison Pythium ultimum 347.

Aphanomyces euteiches f.sp.pisi, root rot, pathogenesis, Pisum sativum 9319. Aphelandra squarrosa, lealspot; Myrothecium roridum 5747.

Aphidicolin,

Aphildicolin, anthrvial activity, avian sarcoma virus replication 3341. biodegradation, microorganisms 4752.
Aphildiae, barley yellow dwart virus, infection, Triticum aestivum, identification, aerial photography 6762.
biological control. Entomophthorales, Gramineae 8360.
biological control. Entomophthorales, Gramineae 8360.
biological control. Entomophthorales, Gramineae 8361.
damage, crop fields. Triticum 3001.
diseases pread. viruses. Solanum tuberosum 2181.
diseases pread. viruses. Solanum tuberosum 2181.
diseases transmission, barley yellow dwarf virus, Triticum aestivum 9340.
diseases transmission, occumber mosaic virus, Phaseotius vulgaris 7654.
disease transmission, potato virus S strains, isolation, North America, Chenopodium guinoa 6829.

disease transmission, potato virus S strains, isolation, North America, Chenopodium quino 8829 disease transmission. Solanum tuberosum, potato virus Y, potato virus X, potato virus S, potato leaf roll virus, USA 6814. disease transmission vectors, Vigna unguiculata, cowpea banding mosaic virus, cowpea necroissi virus, cowpea chiorotic spot virus 5673. disease transmission, viruses, pilant diseases 1122. diletes, prevention transmission, association, viruses infection pathology. Trifolium repens 1147. vectors, alfalfa mosaic virus infection, Medicago sativa, epidemiology 5696. vectors, disease transmission, barley yellow dwarf virus, Hordeum vulgare 9341. vectors, watermelon mosaic virus, disease transmission 4986. vectors, watermelon mosaic virus, disease transmission 4986. vectors, watermelon mosaic virus, 2, Jordan 1247. Aphia craccityora, potato leaf roll virus, disease transmission, feeding behavior, permethrin.

potato leaf roll virus, disease transmission, feeding behavior, permethrin, deltamethrin effects on 8526.

vectors, cowpea banding mosaic virus infection, Vigna unguiculata, insecticides, disease control 5808. vectors, pumpkin mosaic virus infection, Cucurbita maxima, transmission (horizontal) 1231.

Aphls fabe.
Entomophthoraceae infection, fungicides effects on 489.
vectors, disease transmission, potato virus Y, plant disease 9400.

Aphis gossypii,
disease transmission, banana mosaic virus, Musa sapientum 3069.

API test.

PT 1681.
Enterobacteriaceae, identification 838.
Enterobacteriaceae, identification 859.
Enterobacteriaceae, identification, clinical isolates 4492.
identification, Basidiobolus, Conidiobolus, enzymes 899.
identification, clinical isolates, non-fermentative gram-negative bacteria, oxidase-positive bacteria 9019.
identification, gram-negative bacteria, biochemical characteristics, blood culture 859.

identification methodology, non-fermentative gram-negative bacteria 9903. Staphylococcus epidermidis, identification, biotyping 9910. Slaphylococcus epidermidis, identification, biotyping 991 Apiocarpin, response, Apios tuberosa, inoculation, fungi 3143. Apios tuberosa, inoculation, fungi, apiocarpin response 3143. D-Apiose reductase, purification, characterization, gram-negative cocci 4631.

Aplum, stunt, mycoplasma-like organisms, diagnosis, fluorescence 2166. Aplum graveolens disease control 4098. Aplum graveolens var.dulce, Fusanium oxysporum f.sp.apii yellows, factors affecting 5748.

Apothecia, development, Sclerotinia trifoliorum, infection, Trifolium incarnatum 2106.

development, Scierotinia tritoliorum, infection, Imfolium incarn Appetite, amimal models, man, relationship, mushrooms 3815. Apple chierottic leafspot virus, infection, double-stranded RINA isolation, plants 2981. Apple mosale virus, disease control, artiviral agents injection, Malus pumila 9500. effects on carbohydrates levels, fruits, Malus pumila 8562.

effects on carbohydrates levels, fruits, Malus pumila 8562.

Apples,
digestion (anaerobic), methanogenesis 4442.
fruit juices, yeasts microflora 9279.
Gliocladium roseum, post-harvest decay, pathogenesis, amino acids, levels 1324.
post-harvest decay. Pencillium expansum, calcium chloride, disease control 5798.
scab, cold storage effects on pathogenesis 3105.
storage, post-harvest decay, Trichoderma harzianum 8602.
Venturia inaequalis inflection, factors affecting 437.

Appressoria, development, Colletotrichum musea infection, Musa sapientum 5733.

Apyrase, levels, chlortetracycline biosynthesis, Streptomyces aureofaciens 8004. purification, activity, Streptomyces aureofaciens 7321.

purmication, activity, Streptomyces aureolaciens 7321. **Aquaculture.**Scophthalmus maximus larvae, infection treatment, antibacterial agents, Brachionus pilcatilis, food sources 7609.

water pollution, phytoplankton, association, Crassostrea gigas, food contamination 2924. **Aqualic bacteria.**

Aquatic bacterie, heat production, calorimetry methodology 8145, isolation, alginate lyase biosynthesis 97, phyto biodegradation 5595.

Aquatic ecosystems, nitrogen cycle, factors affecting, conferences 908.

Aquatic environment,

quatic environment,
Bacillus sphaericus, biological control, Culticidae 1024.
bacteria biodegradation, wood cell walls 8426.
bacteria most probable number detection, use, calculator 8139.
Campylobacter fetus subsp.jejuni, enumeration methodology 2676.
Escherichia coli detection methodology 2667.
isolation, Salmonella, methodology 3558.
mercury, chemical speciation 1516.
mercury, chemical speciation 1516.

Aquatic environment, (continued)
microorgamisms, biodegradation, pollutants, seasonal variations, water salinity
effects on 2876.

Pseudomonas fluorescens, Pseudomonas aeruginosa, cyanide biosynthesis, in vitro

peono.

Pseudomonas putida, phenols conversion, structure effects on 2882.
sediments, oxalic acid, biodegradation, bacteria 7543.
substrates uptake, association, microorganisms enumeration methodology 818.

substrates uptake, association, microorganisms enumeration methodology 818.
Aquatic microorganisms,
ar-water interface, isolation, ponds, scanning electron microscopy, observation
techniques 8088.
extracellular polymers, role waste water treatment, cell aggregation 8059,
obuling organisms, corrosions steel surfaces, sea water 1055.
microscopy, observation methods 2647.

Aquifers.

contamination, bacteria, methanogenesis, phenol 4450. enterovirus, waste disposal sites, movement 5328.

antiviral activity, Epstein-Barr virus, lymphoblastoid cell lines 6067

antiviral activity, Epstein-pair vinas, proposition Arabinitol, detection, gas chromatography, diagnosis, candidiasis 9993.

D-Arabinofuranosyl, derivatives, antiviral agents 3342.

9-D-Arabinofuranosyl adenine, pathway, conversion, Streptomyces saganonensis, herbicidin A production 4408.

9-D-Arabinofuranosyl-2-fluoroadenine, inhibition repication, herpes simplex virus, HeLa cells 7104.

Arabinomennan, Mycobacterium smegmatis, use, enzyme-linked immunosorbent assay, diagnosis Arabinomannian,
Mycobacterium smegmatis, use, enzyme-linked immunosorbent assay, diagnosis,
leprosy, man 6328.

L-Arabinose dehydrogenase,
Azosprilum brasiliense, purification, characterization 5527.

L-Arabinose-binding protein,
purification, characterization, periplasmic space, Escherichia coli 6374.

Arabinosyladenine,
antiviral activity, susceptibility, herpes simplex virus 6078.

Arabin mosale virus,
disease transmission. Xichinema diversicaudatum, disaasa control, furniquation.

Arabis mosaic virus,
disease transmission, Xiphinema diversicaudatum, disease control, fumigation,
Lilium tigrinum 6871.
effects on, yield, Rheum rhaponticum 2198.
host range, plants, New Zealand 6731.

Arachidonic acid,
Phytophitora infestans, infection, induction phytoalexins, tubers, Solanum
tuberosum 428.

Arachis,

Arachis,
Interspecific hybridization, plant breeding, Cercospora arachidicola, disease
resistance 7727.
Interspecific hybridization, plant breeding, Cercospora arachidicola, disease
resistance 7727.
Arachis hybrogese,
peanut mottle virus isolation, pathogenicity, role, disease reservoirs 6743.
Arachis hypogese,
contamination, aflatoxins, factors affecting 2941.
Arachis hypogese,
association, Rhizoctonia solani, soil population levels, anastomosis, USA, Texas,
USA, New Mexico 5094.
black pod, Thielawopsis basicola, disease resistance, plant breeding 9465.
black rot, Cylindrocladium crotalariae, soil inoculum, epidemiology, spatial
distribution 1123.
blight, Sclerotinia minor, chlorothalonii disease control 3151.

black rof, Cylindrocladium crotalanae, soli inoculufit, epidemiology, spawal distribution 1123.
blight, Sclerotinia minor, chlorothalonii disease control 3151.
blight, Sclerotinia minor, fungicides disease control 4100.
blight, Sclerotinia minor sclerotia quantitation 5880.
Cercospora leafspot, bavistin effects on 4119.
chlorosis, induction, nodulation, Rhizobium japonicum 7828.
cultivars screening, disease resistance, Puccinia arachidis rust, Cercosporidium personatum leafspot 9475.
Cyclindrocladium crotalariae infection, germplasm disease resistance 474.
disease resistance, Puccinia arachidis, rust 4083.
fungicides seed treatments, association, disease control 2291.
genetic analysis, disease resistance, leafspot, Cercospora arachidicola 452.
germplasm, disease resistance, Pythium myriotylum 9474.
Glycine max, cowpea mottle virus transmission, Bemisia tabaci vectors 4946, herbicides, disease control 1409.
leafspot, disease resistance, screening, Cercosporalum personatum, chlorothalonii, disease control 1409.
leafspot, disease resistance, screening, Cercospora arachidicola sporulation 5047.

15047. Ideafspot, fungicides, disease control 9485. Ieawes volatiles, effects on Sclerotinia minor sclerotia germination, blight 4937. metham sodium disease control, Pythium myriotylum pod rot, Verticillium wilt

1411
nitrogen fixation, yield, fertilizer applications effects on 6994.
nodulation, genetic analysis, Rhizobium 7015.
nodulation, nitrogen fixation, mixed culture, Gramineae 4250.
pathology, rust, Puccinia arachidis, survival 5679.
peanut olump virus, disease transmission 6736.
peanut mild mottle virus infection, etiology, China, People's Rep. 9326.
peanut mild mottle virus infection, Rhizobium effects on pathogenesis 5687.
plant breeding, disease resistance, blight, Sclerotinia minor 1342, protein composition, nitrogen levels, Glomus fasciculatus effects on 6949.
Puccinia arachidis inoculation, host plants genotypes effects on urediniospores 5683.

5863.

Rhizoblum, identification, use, enzyme-linked immunosorbent assay 6306.
roots, acid phosphatase, alkaline phosphatase, Glomus fasciculatum 6947.
seedlings, growth, nodulation, Cercospora arachidicola leafspot effects on 341.
seeds, Aspergillus parasiticus, Aspergillus oryzae, spoilage 3802.
seeds inoculation, Rhizoblum, nodulation, nitrogen fixation 9591.
shells, composts, effects on soil microorganisms, organic compounds, soils
(earnth, 157).

snews, composts, enfects on soil microorganisms, organic compounds, soil (sandy) 5133.

water stress effects on Aspergillus flavus infection 5664.
yleld, Cercospora arachidicola leafspot, interspecific relationships, Phoma arachidicola blotch 2998.

contamination, Aspergillus flavus, aflatoxins, factors affecting 2988.

Arachnia, periodontal diseases isolates, antibiotic sensitivity testing 3976. Arachnitous dankaliensis, cellulose decomposition 2879. Arbutus menziesil,

mycorrhizas 6962. mycorrhizas symbiosis, USA, California 4196.

mycorrhizas symbiosis, USA, California 4196.
Arceuthobium abletinum,
parastism, branches, Cytospora abietis dieback, Abies magnifica 5863.
Arceuthobium americanum,
rust, Peridermium bethelii, association, Pinus contorta 6932.
Archebacteria,
methanogenesis 7017.

methanogenesis 7017.
Arctildee.
nuclear polyhedrosis virus 1044.
Arctium lappe,
host plants, fobacco ringspot virus 6823.
sturt, RNA viroids, etiology 4021.
Arctium tomentosum,
stunt, RNA viroids, etiology 4021.
Arctostaphylos manzanita,
mycorrhizas 6962.
mycorrhizas symbiosis, USA, California 4196.
mycorrhizas 6962.
mycorrhizas 6962.
Arctostaphylos uva-ursl,
mycorrhizas 6962.
Arctostaphylos uva-ursl,
mycorrhizas 6962.

Areca, orchards, rhizosphere, nitrogen-fixing bacteria, nitrogen fixation 9595.

Areca catechu, leaf stripe, epidemiology, Xanthomonas campestris pv.arecae 8568. Arginase, purification, characterization, Bacillus anthracis 6483.

purilication, characterization, Bacillus anthracis 6483.

Arginia,
Arginia,
Description, Carobacillus plantarum 7549.
Siectroles, Streptococcus lacts use 879.
Tosfomyon derivatives, antibacterial activity 8890.
Intratis, Acirelobacter calcaoceticus, ornithine, production 6389.
residues, glyceraldehyde-phosphate dehydrogenase, 2,3-butanedione chemical modification, effects on physicochemical properties, kinetics, Saccharomyces cerevisiae 7352.
residues, transketolase active sites, 2,3-butanedione chemical modification, effects on kinetics, Saccharomyces cerevisiae 7355.

Arginine decarboxylase, stereochemistry, Escherichia coli, Bacillus cadaveris 6506.

Argini-transketolase, purification, physicochemical properties, mechanisms, Saccharomyces carbstrepensis 4600.

Arlatatoma camarographiolides, leafspot, Glycine max 2997.

Armillaria butbosa, population dynamics, nutrient cycles, decomposition, roots, wood, Quercus robur 5861.

b861.
Armillaria luteobubalina,
infection, Eucalyptus, etiology 8652.
Armillaria mellea,
rhizomorphs formation, tannic acid stimulation, role pathogenicity, trees 1455.
root rot, mortality, Pinus, Pseudotsuga, Abies, forests 5075.
Armillaria gatovae.

root rot, mortality, Pinus, Pseudotsuga, Abies, forests 5075.

Armillaria ostoyse,
population dynamics, nutrient cycles, decomposition, Basidiomycetes, wood,
Quercus robur 5861.

Armillaria velutina,
population dynamics, nutrient cycles, decomposition, Basidiomycetes, wood,
Quercus robur 5861.

Armillaria meliae,
infection, Abies balsamea, plantations 7788.

Armoracia lapathifolia,
peroxidase, use enzyme-linked immunosorbent assay, hepatitis B surface antigen
825.

brittle root, Spiroplasma citri, epidemiology, geographical distribution 3059. pathology, Spiroplasma citri infection 9388 pathology, Spiroplasma citri infection 9388 plant diseases, Spiroplasma citri, disease transmission, Macrosteles fascifrons

Aroma compounds,
Basidiomycetes, biosynthesis 3727,
chemical composition, volatiles, Agaricus bisporus 4772.

chemical composition, volatiles, Agaricus bisporus 4772.

Aromatic compounds,
amino acids, Streptomyces levons, effects on levorin biosynthesis 1662.
aroma compounds, lactic acid bacteria, milk 1068.
association, alkylbenzene sulfonates biodegradation, microorganisms 1997.
biodegradation, Phanerochaete chryssporium 7544.
biodegradation, Phanerochaete chryssporium 7544.
biodegradation, pastes, isolates, mangrove swamps sediments 9253.
digestion (anaerobic), sediments 4760.
halogenated, bacteria, dehalogenation, lakes, sediments 6648.
hydrocarbons, biodegradation, Beijerinckia, plasmids association 5144.
hydrocarbons, biodegradation, Cunninghamella elegans, bacteria 3263.
hydrocarbons, matabolism, microorganisms, estuaries sediments 5145.
mineralization, bacteria, lakes, sewage 2008.
oxidation, Cunninghamella elegans, association, glucoronide, sulfate biosynthesis 2391. 2391

2391.

xidation, fungi 4521.

zzonation, effects on wastewater treatment, biodegradation 5294.

production, fruits, Vitis vinifera, role grey mold, Botrytis cinerea 9402.

+riboflavin, +magnesium chloride, media (culture), photoactivation, bactericidal activity, Salmonella typhimurium 8781.

transformation, bacteria 2019.

transformation, Saccharomyces cerevisiae, oxygenase, reviews 3667.

Aromatics, amines, biodegradation, aerobic conditions 8436.

Arracacha virus B,

transmission (seed), Solanum tuberosum, symptoms 406. Arsenate,

Bacteroides susceptibility 681.

oxidation, mixed culture, Pseudomonas putida+Alcaligenes eutrophus 2383.

elongation factor 1 α-chain, amino acid sequence, comparison elongation factor Tu, Escherichia coli 4573.

Arthraxon lancifolius,

Claviceps purpurea isolation, association, strains adaption 116 rthrobacter.

Introbacter, aliphatic nitrile hydratase, purification, characterization 1895. aliphatic nitrile hydratase, purification, characterization 1896, biodegradation, pentachiorophenol, soil 2891. conversion, gualacols, lignin 2889. feeding patterns effects on glucose metabolism, relationship activated sludge 6247.

D-glucose isomerase, relationship, glucose, fructose, interaction, germanic acid 1936.

1936.
hydrolysis, malathion, enzymes, characterization 8416,
nitrification, acetylene effects on 594,
parathion hydrolysis, soil 160,
pathogenicity effects on, Beta vulgaris crop production 403,
pentachlorophenol biodegradation 5583
polysaccharides sulfur, carbohydrate composition 2818,
sylices isomerase immobilized enzyme use, feeds syrups production, germanic acid
effects on glucose fructose equilibrium 4864,
peat biodegradation 2877.

Atthrobacter cultavia,
peat biodegradation 2877.

peat booegradation 2577.
Arthrobacter globiformia,
enzymatic synthesis, FAID 9214,
glutamic acid production, nutrient requirements 4569.
Immobilized cells, steroids transformation 4697.
immobilized cells, "setosteroid." 4

Arthrobacter luteus,

Arthrobacter luteus,
zymolase, purification 935.
Arthrobacter oxidans,
6-hydroxy-L-nicotine oxidase, 6-hydroxy-D-nicotine oxidase assays 6531.
Arthrobacter slalophillus,
glucose uptake, cytochalasins effects on 1553.
Arthrobacter almptex,
hydrocortisone-17α-acetate conversion prednisolone-17α-acetate 5529,
single-cell protein, feeding trials, effects on hematology, organs histology,
ratis 8491. single-cell protein, nutritive value, rats, hydrocarbons, carbon sources 7597.

Stripte-38 protein, manuscripters, m

crop fields 991.

crop fields 991.

crop fields 991.

persecutive for the first person of the first person

antimicrobial agents, antifungal activity, antiviral activity, antibacterial activity 6082
3-Anyl-5-(3'-nitro-4'-methoxyphenyl)-2-phenyl tetrazolium bromide, antimicrobial agents, antifungal activity, antiviral activity, antibacterial activity 6082
Anylolycor-0-B-syringrasinol ethers, biodegradation mechanisms, lignin models, Fusarium solani 6651.
Anylauliphohydrolase, soil activity, human impact, motor vehicles, USA, Alaska 6951.
Anylauliphohydrolase, sand, activity, correlation, vegetation, British Isles 6955.
2-(2-(Anythio)ethyl pyrrolldine, derivatives, antifungal activity 9680.
Aschersonia aleyrodis, toxins production, relationship culture 7627.
Aschochyta avenae,

toxins production, relationship culture roat.

Aachochyta avenae,
leafspot, pathogenlimatic conditions, Avena sativa, Triticum aestivum,
Indreum vilgare 8549.

Ascites tumor cells,
encephalomyocarditis virus infected, N-phenyl-N'-3-hydroxyphenylthiourea effects
on RNA biosynthesis 9683.
encephalomyocarditis virus infected, N-phenyl-N'-3-hydroxyphenylthiourea effects
on protein biosynthesis 9684.

Asciadiol.

on, patulin, Penicillium urticae 6690.

conversion, patulin, remaindent Aacochlorin, Aacochlorin, Aacochyta viciae, synthesis 7186.
Aacochyta viciae, synthesis 7186.
Aacochyta brachypodil, leatspot, Andropogon gerardi, Andropogon scoparius, Sorghastrum nutans 1174.
Aacochyta fabse, infection, Vicia fabse, and infection, Vicia fabse, vicia fabse, infection, Vicia fabse, vicia fabse, infection, Vicia fabse, vicia A80.

Ascochyts pisi,
infection, induction endopolygalacturonase inhibitor, defense mechanisms, Pisum
sativum 1350.
toxins, role pathogenicity, necrosis, Pisum sativum 1140.
Ascochyts pretrollum,
Pteridium aquilinum, leaves lesions, measuring techniques, computer applications,
video image analysis 4924.

Ascochyts rablel,
blight, Clear arietinum, disease resistance, inheritance 6867.
Ascochyts viclae,
ascochyts viclae,
ascochyts viclae,

2.5-dyhydroxy-3-(p-hydroxyphenyl)-6-phenyl-1,4-benzoquinone isolation, characterization 5556

Ascomycetes, fungal flora, seeds, Compositae 7726

lungai itora, seeds, Compositae 7720 host range, substrate preferences, India 7645, mutants, cellulose biodegradation 165, plant diseases, ecological distribution, France 2207, soil microorganisms, Spain, check lists 3202.

Ascorbic acid.

content, Emblica officinalis, fungi infection 3964.
effects on citric acid production, Aspergillus niger 5468.
effects on, daunomycin, adriamycin, antitumor activity, antimicrobial activity

inhibition, Campylobacter fetus subsp.jejuni, growth 3327. **Ascosphaera apls**,
antifungal activity, disinfectants 4304.

acospores, Glomerella cingulata, disease spread, epidemiology, Malus domestica 8570. Saccharomyces cerevisiae, isolation 1810. Saccharomyces, Kluyveromyces, heat resistance, erythromycin inhibition sporulation 1631.

Sclerotinia sclerotiorum, infection, symptoms, Glycine max, Phaseolus vulgaris 9334

Ventuna inaequalis, infection, Maius, pathogenesis 7683.
Ventuna pirina, production, disease control, urea, fenarimol, baycor, scab, Pyrus communis 1395.

Asexual reproduction,
Aspergillus parasiticus, relationship, aflatoxins production 3864.
Puccinia coronata, relationship pathogenicity, Rhamnus cathartica 9338.

industrial wastes, aluminum extraction, citric acid, Aspergillus niger 5989. volcanoes, USA, Washington, environmental impact, nitrogen cycle, lakes, bacteria

Asia, Southeast,

viruses infection. Oryza sativa 4955.

VITUS85 mecuon, uryza sawa 4950.
Asparaginase,
Candida guillermondi, stability, freezing, drying 7333.
inactivation, pH effects on, Saccharomyces cerevisiae 5519.
kinetics, substrate specificity, mechanisms, Adinelobacter glutaminasificans

Thermoactinomyces vulgaris, isolation, characterization 9181.

Asparagine,
Streptomyces griseus, effects on streptomycin biosynthesis 7151.

Asparagus, flowers, Fusarium moniliforme air spora contamination 9414

flowers, Fusarium monitiforme air spora contamination 9414.

Asparagus officinellis.

Agrobacterium tumefaciens attachment mechanisms, factors affecting 7687.

Phoma asparagi infection 770.

Phytophthora rol 9383.

purple spot. Stemphylium vesicarium, pathology 1296.

storage, fungicides treatment 4121.

Aspartate aminotransferase,
activity, hizosphere microorganisms, factors affecting 5911.

yeasts, affinity chromatography 1856.

yeasts, affinity chromatography 1856.
Aspartate ammonia-lyase.
Escherichia coli, L-alanine production 927.
Aspartate carbamoyitransferase,
ATP. CTP interaction, Escherichia coli 1906.
catalytic subunits, amino acid sequence, Escherichia coli 6562.
Escherichia coli, ultrastructure, crystal structure 23.

Aspartate kinase,
potassium, ammonium, sodium, lithium activation, Escherichia coli 6536.
regulation, Streptomyces clavuligerus S-(2-aminoethyl)-L-cysteine resistant
mutant 8809.

L-Aspartate-β-decarboxylase,
Pseudomonas dacunhae, L-alanine production 927. L-Aspartic acid.

L-Aspartic acid, biosynthesis, Escherichia coli, immobilized cells 2745. biosynthesis, Escherichia coli immobilized cells, enzyme activity 4579. Aspartic proteinase, Aspartic proteinase, Aspergilius, assays 8276. Claviceps purpurea, purification, characterization 5496. production, Aspergilius, surfactants effects on 7094. purification, characterization, Fusarium monitiforme 7360. ca-L-Aspartyli-phenylalanine methylester, sweeteners, organoleptic evaluation, spoilage, beverages 3803. Aspergillosis.

Aspergillosis.

Aspergillus fumigatus, enzyme-linked immunosorbent assay detection antibodies, man 9990. fluorescence diagnosis, tissues 4525

acetanilid conversion 7561.

acetaninia conversion i 7501. aflatoxicosis, animals, interaction, metals, dietary intake, reviews 4900. aflatoxicosis, animals, interaction vitamins nutrition 4899. aflatoxin B1 levels effects on chickens metabolism 3882. aflatoxin M1 detection, high-performance liquid chromatography, dairy products affatoxin M1 detection, high-peruntance induction of the Archiva fatoxin biosynthesis 4901.

affatoxins biosynthesis 4901.

affatoxins, contamination, Arachis hypogae, factors affecting 2941.

affatoxins contamination, peanuts, quality control 2940.

affatoxins production, growth, Boletus edulis, Agancus bisporus 8501.

alluminum phosphate solubilization, acid production 5891

aspergillosis, fluorescence diagnosis, Insues 4525.

biodegradation, pelapholipids, triacylglycerols, cholesterol 2881.

biosynthesis, 3-methoxy-2,5-toluquinone, antibacterial activity 1643.

Cajanus cajan seed germination, effects on 7796.

cellulase, kinetics 4586.

chemicals, antifungal activity 3336.

citric acid production, reviews 45470.

Citrinin detection, chromatography, grain 7589.

colonization, straw, withoum, Vicia faba, composting 3781.

com spoilage, storage 2009.

colonization, straw, triticum, corn spoilage, storage 2069

Aspergillus, (continued)
disease control, factors affecting, barley storage 7724.
drug sensitivity testing, aculeacin A 4308.
food contamination, corn., wheat, storage 443.
food contamination, fruit juices, Venezuela 7574.
grains, nutritive value, chickens 3852.
growth, affatoxins biosynthesis, butylated hydroxyanisole, butylated hydroxyoliouene, teriary butylhydroquinone, propyl gallate effects on 5646.
infection. Vigna radialat seeds, storage conditions effects on 2111.
pathogens, Pisces, isolation methodology 9078.
pathijin, incidence. Beta vulgaris roots feeds 1089.
phosphate solubilization. organic acids, soil 3187.
plant diseases, phytotoxins disease resistance, india, reviews 1369.
populations. South Africa Rep. plains 4217.
post-harvest decay, corn, genefic analysis 9451.
pyridines coenzymes biosynthesis 3689.
a-Sarcin, restrictioni, mitogillin, N-terminus amino acid sequence, homology 114. Aspergillus flavus, (continued) sporulation, aflatoxin B1, formation, rice 2946. Aspergillus flavus-parasiticus, infection, Avena, acids treatment, aflatoxins biosynthesis 311. Aspergillus foetidus, biosynthesis, 1,3ii-3jiucanase, 1,4-β-giucanase 1929, pectin esterase, mechanisms 9183, pectinesterase effects on oligo(D-galactosidiuronic acids), diazomethane esterification 8251. Aspergillus i tumpatus. pectinesterase effects on oligo(0-galactosidiuronic acids), diazomethane esterification 8251.

Aspergillus fumigatus, amphotericin B. 5-fluorocytosine, ketoconazole, miconazole, interaction, antifungal activity 1567 antibodies, man, enzyme-linked immunosorbent assay methodology 3624 antifungal activity, 3-methylitufurylidene-2-tinoxo-4-tinazolidones 7960, aspergillosis, enzyme-linked immunosorbent assay detection antibodies, man 9990, biodegradation, Cananium schweinfurthii, bark 550, carboxypeptidase A purification, characterization 940 celliulolytic enzymes 8261, contamination, cigarettes, Cannabis sativa 8172 dust, pigs housing 7838, imidazoles, derwatives, antifungal activity 2480, indirect fluorescent antibody test 6153, infection. Vigna radiata seeds, storage conditions effects on 2111. lievels, waste disposal sites, composts 5292. Improceiulose biodegradation 6641. Manihot esculerita, single-cell protein, nurtritive value, rats, pigs 2932 mycotoxins, contamination, bread, food poisoning, man, neurological complications 2447, possi-harvest decay. Theobroma cacao beans fermentation 8601 cr-sarcin, restrofocin, mitogillin, N-terminus amino acid sequence, homology 114, self fluoresconce, use, detection, tissues 8156. soil, herbicides effects on 8707. soil microorganisms, soil amendment, carbendazim, fluorometuron, curacron, effects on 2379. spoilage, effects on fatty acids, peanuts 4053. surfactants effects on aspartic proteinase production 7094. susceptibility, lucknomycin antifungal activity 7182. uranium mobilization, mycella growth, rocks 7014. Aspergillus aculeatus, cellulase, hydrolysis, cellulose 3699. cellulolytic enzymes, production 7409. production, cellulase, media (culture), growth conditions, effects on 3698. soft rot, citrus sinensis, association pectinolytic enzymes 3965. Aspergillus amstelodami, pathogenesis. Brassica campestris, fluorescence, microscopy 2188. Aspergillus awsmorf, exo-1.4-α-D-glucosidase, active sites ionization 6459, nicotinamidenucleotite amidase, purification, characterization 6457, proteinase immobilization, role, silanes 1860. Aspergillus awsmorf var.kawachl, chitin immobilized enzymes, α-amylase, starch biodegradation activity 106. exo-1.4-α-D-glucosidase biosynthesis 3669. immobilized enzymes, α-amylase, exo-1.4-α-D-glucosidase, glucose production 8305. Aspergillus awsmorfi, +Azotobacter chroococcum, composts enrichment 7799. 2947.
post-harvest decay. Theobroma cacao beans fermentation 8601
use, drug sensitivity testing, antimicrobial agents efficacy 9702.

Aspergillus glaucus,
biodegradation, feeds preservation 8-quinolinol treatment 5630.
contamination, feeds, mycotoxins 3868
distribution, feeds, radiation disinfection 7605.
food contamination, Gramineae, post-harvest decay 2236.
maiathino degradation, stored products, grain 7557.
post-harvest decay, sorghum, stored products, effects on growth, Insecta 5799. post-harvest decay, sorghum, stored products, effects on growtn, treed Aspergillus inseudus, factors affecting dextranase biosynthesis 1920.
Aspergillus japonicus, brown stranses biosynthesis 1920.
Aspergillus japonicus, brown stranses decay, prunes 5801.
Aspergillus inseuduring stranses 1920.
Aspergillus indiularis, β-amyrin, isolation, characterization 3735.
β-arroxy-2.4-diphenyf-but-2-enoic anhydride, structure, activity 8339.
cross-resistance, dodine, association floammon resistance 7022
laccase, purification, characterization 33.
mutants, chloroneb resistance 5151.
osmolic pressure, sensitivity, association, dicarboximide, resistance 66 Immolificated arythes, trainplase, exchi, p-dr-glucosiadase, glucose production 63/05.

Aspergillus a cannol content of the co cross-resistance, dodine, association fenarimol resistance 7022 lacase, purification, characterization 33. mutants, chloroneb resistance 5151, osmotic pressure, sensitivity, association, dicarboximide, resistance 6022 proteinase inhibitors, isolation 2812. proteinase, purification, characterization 6525. pyruvate carboxylase localization methodology 8321. quinazolories antrifungal activity 2476.

Aspergillus niger, aliomalformin, physicochemical properties 766. amino acids effects on citric and production 5484. antibacterial activity, 2476. antibuggil activity, 11-(carbethoxyamidino)-0-affekinsourea)copper(II) antiburgel activity, 11-(carbethoxyamidino)-0-affekinsourea)copper(III) antiburgel activity, 11-(carbethoxyamidino)-0-affekinsourea)copp post-harvest decay, etiology, Manihot esculenta 3102. Aspergillus flavus, aperginus navus, atlatorus, acetic acid incorporation association biosynthesis 6692. aflatoxin B1, acetic acid incorporation association biosynthesis 6692 aflatoxin B1, contamination, Spodoptera frugiperda pest outbreaks, drought effects on, Zea mays 484, aflatoxins biosynthesis, antifungal activity, plant extracts, Agave sisalana effects on, Zea mays 4887.

affatoxins biosynthesis, association, oxygen limitations 7621.

affatoxins biosynthesis, association, oxygen limitations 7621.

affatoxins biosynthesis, fatty acids effects on 6701.

affatoxins biosynthesis, fatty acids effects on 6701.

affatoxins biosynthesis, etailounship, intrincation 1103.

affatoxins contamination, peanuts 3870.

affatoxins, contamination, relationship, intrincation 1103.

affatoxins, contamination, Zea mays, breeding effects on 3880.

affatoxins, commination, Zea mays, breeding effects on 3880.

affatoxins, commination, Zea mays, characterization 5509.

affatoxins, contamination, Tata 8434.

affatoxins, evels, Zea mays, disease resistance 5653.

affatoxins levels, Zea mays, disease resistance 5653.

affatoxins, occurrence, Zea mays, USA, Louisiana 7626.

affatoxins, occurrence, Zea mays, USA, Louisiana 7626.

affatoxins, orderion, and acid methodology 1101.

arbome microorganisms, respiratory tract isolates, man, hospitals, relationship, buildings construction 3493.

antifungal activity, 1-any-15-(3-nitro-4-methoxyphenyl)-5-phenyl formazan,

3-anyl-5-(3-nitro-4-methoxyphenyl)-2-phenyl tetrazolium bromide 6082.

antifungal activity, 1-any-15-(3-nitro-4-methoxyphenyl)-2-phenyl tetrazolium bromide 6082.

antimicrobial activity, 3-anyl-5-(3-nitro-4-methoxyphenyl)-2-phenyl tetrazolium bromide 6082.

contamination, cigarettes, Cannabis sativa 8172.

p-coumaryl alcohol, biodegradation characterization 164.

cyclopiazono acid biosynthesis, association chickens feeds contamination 8512.

effects on seeds germination, phaseolus mungo 3924.

effects on seeds germination, phaseolus mungo 3924.

infection, yigna radiata seeds, storage conditions effects on 7620.

infection, yigna radiata seeds, storage conditions effects on 7620.

infection, yigna radiata seeds, storage conditions effects on 5664.

infection, yigna radiata seeds, storage conditions effects on 5664.

infection, yigna radiata seeds, storage conditions effects on 5664.

infection, yigna radiata seeds, storage exo-1, 4-a-D-glucosidase, ethanol fermentation methodology, sweet p. 5569.

exo-1, 4-a-D-glucosidase immobilized enzymes 49.

exo-1, 4-a-D-glucosidase production 101.

exo-1, 4-a-D-glucosidase, purification, characterization 29.

exo-1, 4-a-D-glucosidase, purification, characterization 939.

exo-1, 4-B-D-xylosidase, purification, characterization 6462.

fermentation, critric acid biosynthesis, molasses solution 5475.

fermentation, purification feats vulgaris (49e 7470.

β-D-galactosidase, purification, substrate specificity 8252.

1, 4-a-D-glucosidase, purification, substrate specificity 8252.

1, 4-a-D-glucosidase, mobilized enzymes, heat inactivation 43.

glucose oxidase, use, food processing 3860.

β-D-glucosidase, immobilized enzymes 48.

infection, Fibilica officinalis, ascorbic acid content 3964.

infection, Fibilica officinalis, ascorbic acid content 3964.

infection, Fibilica officinalis, ascorbic acid content 3964.

infection, Vigna radiata seeds, storage conditions effects on 2111.

leal litter biodegradation 3771.

Mentha piperata, extracts, antifungal activity 2479.

metabolites, nigerazine B, structure, characterization 8338.

minerals decomposition 8454.

nicotinamidenucleotide amidase, purification, characterization 6457. mycotoxins, food contamination, incidence, British Isles 3878. nicel toxicity 1565. nicotinamidenucleotide amidase, purification, characterization 6457. nitrofication, nitrogen sources, soil 9564. phytotoxins, inhibition seeds germination, Guizota abyssinica 2082. root rot, herbicides, disease control, Arachis hypogaes 2277. sclerotia, aflatoxins, indole metabolites, association, evolution 3715. soil, herbicides effects on 8707. spores use, toxicity testing, alluminum, manganese 9076.

```
pergillus niger, (continued)

XXD-1,4-xr-D-glucosidase, isoenzymes, purification, characterization 4622.

Wachas, post-harvest decay, pathogenesis, amino acids, levels 1324.

Westin lyase, kinetics 1924.

Welleting, morphology, agitation, fermenters 6637.

Mosphate solublization, phosphate uptake, Oryza sativa 3188.

Mosphateria decay, estimation, selection of selection of selection of selection selection selection of selection selection selection of selection selection selection of selection selection of selection selec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Aspergillus versicolor, distribution, feeds, radiation disinfection 7605, radiosensitivity, association food contamination 8787, stengmatocystin, biosynthesis, N.M.R., acetic acid 6699 versicolorone structure 2852 Aspergillus wantil, hydroxylation, fencibutirol, structure 1975, lignin biodegradation, Pinus, straw 171, metabolities, isolation, structure 6618.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Asperugin,
synthesis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      nesis, antibacterial activity, antifungal activity 2579.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Aspiration.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ems, plant diseases epidemiology, meteorology sensors 8530.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Aspirin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             inhibition, interferon, antivirar accumy,

Assays,
affatoxin B1 food contamination, oils 275.
akanal monooxygenase (FMN-linked), bacteria 9163.
akanal monooxygenase (FMN-linked), bacteria 9163.
antihotios, body fluids 9724.
attreonam, lingli-pressure liquid chromatography, serum, urine 7167.
Bacillus oligonitrophillus polysaccharides, mathematical models 8126.
Bacillus subtilis rec gene, detection, production DNA damage metabolites, fungi,
Streptomyces 7246.
bacteria, laminar air flow safety equipment 5332.
bacteria, laminar air flow safety equipment 5332.
boluminisecence, bacteria adenosinetriphosphatase, blood culture, use, bacteremia diagnosis 6125.
cell aggregation, bacteria, association, labelling, use, palmitic acid 7245.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    phibiton, interferon, antiviral activity, characterization 2484.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ciagnosis 8125.

cell aggregation, bacteria, association, labelling, use, palmitic acid 7245.
Chloramphenicol 4399.
Clostridum perfinigens enterotoxins 6711.

corn aflatoxins contamination, fluorescence, association, water content, USA, South Carolina 9291.
detection, Yersimia enterocolitica enterotoxins, factors affecting 9307.
endotioxins, Limilus lysate test, urea effects on 8513.
enzymes, acetic acid, bacteria supernatants 7234.
Escherichia coli enterotoxins, Vero cells, rabbits, lieum 310.
fouling, methodology, bacteria 8128.
p-0-fructuramosidase enzymatic activity, Saccharomyces cerevisiae 5490.
Fusanum contamination, feeds 4863.
enzymes encome oxidase, 6-hydroxy-0-nicotine oxidase, Escherichia coli, dentification, lactic acid bacteria 895.
lesions, use, Phaseolus vulgaris, patthogenicity, infection, bean common mosaic virus, 8542.
methodology, yeasts mycelia dimorphism 9082.
Neisseria meningitidis endotoxins, Limilus lysate test 289.
nitropen fixetion, Rhizobium japonicum nodulation, Glycine max, methodology 8690.
1-nitropyrene reductase, fluorometry, Salmonella typhimurium 5021.
pepsin, Aspergillus asparicum nodulation, Glycine max, methodology 8690.
1-nitropyrene reductase, fluorometry, Salmonella typhimurium 5021.
pepsin, Aspergillus asparicu protensase 8276.
phosphoenolpyruvate-glucose phosphotransferase, Salmonella typhimurium 6413.
pick lest, wood decay, Pora placenta, Gloeophyllum trabeum 4182.
politovirus, hepatitis A virus, use, immunoelectron microscopy 4476.
proteolytic bacteria, soil, sludge, methodology 860.
psychrotrophic bacteria, comparison methodology, milk 1073.
seed-borne diseases quality control, plants pathogens 2968.
Shigella dysenteriae antibodies, passive hemagglutnation 882.
standardization, β-lactam antibiotics 4380.
Typha angustata nitrogen fixation, India 7851.

UBPacetylgiucosamine pryophosphatase, Candida albicans 58.
yeasts, cell aggregation, flocculation 7263.
zearalenone contamination, corf. feeds 5644.
pergillus persetticus, inflatoxin S, bread 2065. Inflatoxins, accumulation, Carya illinoensis, pecans yield effects on 3871. Inflatoxins biosynthesis, artifungal activity, plant extracts, Agave sisalana 5645. Inflatoxins biosynthesis, cereals, oilseed crops, C-vanillin inhibition 3874. Illiatoxins biosynthesis, cereals, oilseed crops, C-vanillin inhibition 3874. Illiatoxins biosynthesis, fatty acids effects on 6701. Illiatoxins biosynthesis, fatty acids effects on 6701. Illiatoxins biosynthesis, oilseed crops 1096. Illiatoxins biosynthesis, oilseed crops 1096. Illiatoxins biosynthesis, oilseed crops 1096. Illiatoxins, detection, Zea mays, characterization 8509. Illiatoxins, detection, Zea mays, characterization 8509. Illiatoxins levels, condia, solerotia 2946. Isoxual reproduction, relationship, affatoxins production 3864. Illiatoxins production, productionship, affatoxins production 3864. Inflatoxins production, productionship, affatoxins production 3864. Inflatoxins production, productionship, affatoxins production 3864. Inflatoxins production acids acids acids acids and acids ac
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Astepyrone,
biosynthesis, Aspergillus terreus 7456.
Athelia epiphylla,
new records, soil, Pinus leucodermis, forests 7778.
Athelia fuciformis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      infection, Gramineae, pathogenesis 3933.
Athelia rolfsli,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      isolation, use, media (culture)+validamycin 2709. 
Athyrium,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cidence, Azospirillum, rhizosphere microorganisms, tropical environment 7853.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Auchia, decomposition, leaf litter, Abies alba 2301.

Atkinsonia ligustrina, host-pathogen interactions, Loranthaceae, haustoria, xylem transport 5790.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      composition, blood culture, effects on species composition, bacteria, yeasts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9012.

formation, autotrophic microorganisms role 8661.

nitrogen, photochemistry, environmental impact 604.

Atmospheric conditions,
carbon dioxide, effects on, methanogenic bacteria, methanogenesis 8715.

controlled conditions, Aspergilius achraceus ochratoxin A production 3881.

effects on Mycoplasma hyorinias isolation, culture 8147.

wine storage, microorganisms growth 4877.

Atmospheric pressure,
effects on, wort fermentation, Saccharomyces cerevisiae 9229.

ATP,
activity, pesticides effects on, soils (organic) 3247.

binding phosphoglycerate kinase, effects on structure, X-ray scattering, yeasts 7356.

biomass indicators, soil 5100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              biomass indicators, soil 5100. biosynthesis, Brevibacterium ammoniagenes, adenine metabolism 7494. biosynthesis, Candida boidinii, AMP oxidative phosphorylation 1031. biosynthesis, Mollicutes 9220. carotovonen effects on, Erwinia carotovora 2589 inhibition lactate dehydrogenase, Phycomyces blakesleeanus 1905. interaction aspartate carbamonytransferase, Escherichia coli 1906. levels, bacteriuria, bioassays, luciferin 4-monoxygenase (ATP-hydrolysing) 9928. levels, sewage sludge, measuring techniques, use, Photinus luciferin 4-monoxygenase (ATP-hydrolysing) bioluminescence 7194. levels, soil properties, measuring techniques 568. measurement, Rhodopseudomonas capsulata chromatophores, reactors 4482. production, Candida 5537.
```

Auxotrophs,
Bacillus stearothermophilus, media (culture), amino acids 3608.
Mycobacterium smegmatis, isolation, use vancomycin 8134.
Zymormonas mobilis, media (isolation) 1788. ATP, (continued) 1P, (continued) production, Pseudomonas paucimobilis, soil, relationship, nitrogen levels 4218, regeneration, chromatophores, Rhodospirillum rubrum 3733. regeneration, fermentation, cytidine 5'-diphosphate choline, Hansenula jadinii Auxotrophy, mutants, Bacillus licheniformis, bacitracin production 6172, mutants, Bhizobium mellioti, adenine nutrient requirements, nodulation, Medicago mutants, Phizobium mellioti, adenine nutrient requirements, nodulation, Medicago relationship, membrane potential, Gossypium hirsutum, cotyledons, blight, Xanthomonas campestris pv.malvacearum 3055. role isoleucyl-tRNA synthetase activation isoleucine activity, Escherichia coli sativa 9616. Avellaneol, Hypocrea avellanea, biosynthesis 6588. Avena, 4596
soil, levels, soil treatment effects on 565,
soil microorganisms, soil, measuring techniques 6939.
ATP citrate (pro-35)-lyase,
purification, characterization, Chlorobium limicola 962. Vena, Aspergillus flavus-parasiticus infection, acids treatment, aflatoxins biosynthesis 311. phytopathogenic fungi infection, Gaeumannomyces graminis suppression, soil, Atrazina. Atrazine, biodegradation, anaerobic bacteria 2900. Atriplex suberects, sowbane mosaic virus infection, pathogenesis 3074. Attractants, 3205 Avena fatua. barley stripe mosaic virus, disease transmission, Hordeum 3002. rhabdovirus infection 2118. Attractants,
Megaseila halterata oviposition, chemical composition, Agaricus bisporus 6661.
Augmentin,
antibacterial activity 7181.
drug sensitivity testing, gram-negative bacteria, association, media factor
analysis 2697.
Aulographine sucalypti,
leafspot, Eucalyptus, New Zealand 7706.
Augmentine Sucalyptus, New Zealand 7706. wheat dwarf virus infection 2120.

Avena sativa, vend sauva, anthracnose, Colletotrichum graminicola 7670. barley yellow dwarf virus, infection, effects on, Sitobion avenae, Rhopalosiphum padi, disease transmission 8553. interaction, haustoria, Puccinia coronata f.sp.avenae, ultrastructure 2136
desaase resistance genes, virulence, Puccinia coronata 5035,
disease resistance, Puccinia coronata, virulence 8610,
disease resistance, role liginin formation cellulase hydrolysis 5053,
leafspot, Aschochyta avenae, pathogenicity, climatic conditions 8549,
leaves, defense mechanisms, Pyrenophora teres infection 1356,
cat sterie dwarf virus infection, cytology 2164,
phytoalexins, disease resistance, crown rust, Puccinia coronata f.sp.avenae 1353,
protein biosynthesis, crown rust, Puccinia coronata f.sp.avenae 1353,
rotein biosynthesis, crown rust, Puccinia coronata f.sp.avenae 1353,
rotein biosynthesis, crown rust, Puccinia coronata f.sp.avenae,
rust, interaction, barley yellow dwarf virus, Puccinia coronata f.sp.avenae,
pathology 344,
spectrophotometry, localization, avenalumin, fungi, infected, leaves 3912. 2136 leafspot, Eucalyptus, New Zealand 7706.
Auramycin (
, isolation, charactenzation, antibacterial activity 1673.
Aureobasidium pullulans,
enzymes, production 1852.
enzymes, production 1852.
Larx defoliation, association Adelges grazing 540.
Larx defoliation, association Adelges grazing 540.
ploty, effects on radioresistance, U.V. radiation 2995.
polysaccharides production, batch culture, association, ammonium concentration 6570. pullulan biosynthesis, colchicine induction 8336.
pullulan biosynthesis, fluoracetic acid effects on 6571.
pullulan production, factors affecting 2816.
Auricularia,
glucans, antitumour activity, mice 7453.
Auricularia, penintry (344). spectrophotometry, localization, avenalumin, fungi, infected, leaves 3912. stem nust, Puccinia graminis (s.g. avenae, epidemiology, USA, Texas, Mexico 4962 vascular system, disease spread, barley yellow dwarf virus 9342. virulence, Puccinia coronata f.sp. avenae 3942. glucans, antitumour activity, mice 7453. Auricularia auricula-judee, glucans, antitumour activity, mice 7453. Auromomycin, C.D., I.R. spectroscopy 2826. Austalide D, biosynthesis, Aspergillus ustus 8506. Austin. spectrophotometry, localization, fungi infected, leaves, Avena sativa 3912.

Avermectin, Streptomyces avermitilis, inhibition reproduction, pest control, Solenopsis invicta 1964. Austin, invicta 1964.

Aves,
population changes, environmental impact, Dutch elm disease, Ulmus 6927.

Avian infectious bronchitis virus,
antibody response, neutralization detection, chickens 9014.

Avian myelobiastosis virus,
DNA polymerase (RNA-dependent) inhibition, retrostatin antiviral activity 9794.,
avian sarcoma virus,
replication, antiviral activity, aphidicolin 3341.

Avocado sunblotch disease viroid,
infected leaves, Persea americana, RNA detection 3028.

Avoparcin. metabolites structure, N.M.R. use, Aspergillus ustus, Aspergillus variecolor, Penicillium diversum 4898. Australia, Justralia, Cercospora zebrina infection, Trifolium subterraneum, new records 8538. Fragaria vesca, Phytophthora fraganae infection, epidemiology 3984. Glycne max, Phytophthora megasperna fis, pulycinea infection, epidemiology 4936. Leguminosae, Rhizobium isolation, characterization 6990. Monilinia laxa infection, five trees 8569. Pentas lanceolata, tomato mosaic virus infection, new records 9450. plant viruses, reviews 8529. plants, host range, Eutypa armeniacae 3900. Pratylenchus penetrans infection, Pinus radiata, pathogenesis 8654. seasonal variations, chemical control, crop production, Uromyces appendiculatus infestation, Macrophilium atropurpureum 8599. Solanum tuberosum, potato spindle tuber viroid infection, epidemiology 5781. Staphylococcus aureus clinical isolates, plasmids, role, antibiotic resistance 7029.
Triflicum, loose smut, races, Ustilago tritici 3941. infacted leaves, Persoa amenciana, mun ucusuum Avoparcin, effects on bacteria growth, rumen microorganisms 8035. Ayezeku virus, antiviral activity, ribonuclease, Streptomyces rimosus 2492. 17Aza-D-homoandrost-5-ene, derivatives, conversion, Cunninghamella elegans 6640. 17z-Aza-D-homoandrost-5-ene, derivatives, conversion, Cunninghamella elegans 6640. Avaditurduracil. Triticum, loose smut, races, Ustilago tritici 3941. Austria, dose smut, races, Using of file: 3341.

Austria, alpine environments, leaf litter organic matter biodegradation, microorganisms 9556. 5-Azadihydrouracil, disease control, potato virus X, Nicotiana tabacum 2271. Azadirachta Indica, plant extracts, chemical control, Nephotettix virescens, vectors, rice tungro virus 7737. + agar, indentification, Streptococcus group D 9908. antibiotic sensitivity testing, Aeromonas hydrophila 9731. virus 7/37.

Azalea,
Phytophthora infection, incidence, greenhouses 1282.
15-Azasterol,
Saccharomyces cerevisiae, effects on sterols biosynthesis 5203.

4-Azido-2-fitrophenylphosphate,
photoaffinity labelling adenosinetriphosphatase β-subunit phosphate binding sites, Eschenchia coli 4687.

Aziocillin. antibiotic sensitivity testing, Aeromonas hydrophila 9731.

Autographs.

biological control, baculovirus 998.

15

Autographs californica,
nuclear polyhedrosis virus, enzyme-linked immunosorbent assay detection, in vivo, 4in vitro 8104.

Autolyaine,
activity, relationship, penicillin-binding protein, β-lactam antibiotics
antibacterial activity 6088.

Clostridium saccharoperbutylacetonicum, purification, characterization 1897.
deficient mutant, Bacillius subtilis, cycloserine bactericidal activity 4331. antibacterial activity, Decteroides 748. antibacterial activity, ordereroose 9099. antibacterial activity, Pseudomonas 8744. antibacterial activity, Pseudomonas aeruginosa 6148. antibacterial activity, Pseudomonas aeruginosa 6142. antibacterial activity, Pseudomonas aeruginosa 6142. antibacterial activity, Pseudomonas aeruginosa 8623. antibacterial activity, Pseudomonas aeruginosa 8732. antibacterial activity, Pseudomonas aeruginosa, agar diffusion test 728. antibacterial activity, Pseudomonas aeruginosa, Enterobacteriaceae 8847. antibacterial activity, reviews 8849. antibacterial activity, reviews 8464. antibacterial activity, reviews 8464. antibacterial activity, reviews 8464. antibacterial activity, reviews 8464. antibacterial activity, cytology, bacteria 8822. antibiotic sensitivity esting, gram-negative bacilii 8001. antibiotic sensitivity cytology, bacteria 8850. bactericidal activity, cytology, bacteria 8500. bactericidal activity, cytology, bacteria 8753. +cephalosporins, antibacterial activity 6148. effects on Pseudomonas aeruginosa morphology 9752. +sisomicin, antibacterial activity, in vitro models 747. 200 dyes. antibacterial activity, Bacteroides 748 Autoiyals, Candida guilliermondii, alkanes effects on 7867. proteinase activity, Thermoactinomyces vulgaris 2761. Automated methods, utomated methods, antibiotic sensitivity testing, bacteria 9729. counting methods, bacteria, milk 215. diubton, cell culture, bacteria 3500. Enterobacteriaceae, identification 859. enumeration, bacteria, mathematical models 9058. enzyme immunosassy, gentamicin 3414. identification, Enterobacteriaceae 9942. identification, Shigelia, Salmonella 861. lasers nephelometry, use, bacteria antibiotic sensitivity testing 9737. utoradlography, dasers nepnerometry, use, bacteria antibiotic sensitivity testing 9/37.

Autoradiography,
herpesvirus plaques, thymidine kinase levels 9838,
identification, infected protoplasts, tobacco mosaic virus, turnip yellow mosaic
virus 8094. Azo dyes, Azo dyes, biodegradation, Bacillus 9257, stemphylium loti, detection β-glucosidase activity 2713. Azomonas agilis, rhizosphere, crops 9583. vius ous4,
Autotrophic bacteria,
carbohydrates metabolism pathways, tricarboxylic acid cycle, enzymes 123.
ritrification, acetylene effects on 594.
Autotrophic microorganisms,
role, atmosphere formation 8661.
Auxins,
Culindrogenon declaration biosynthesis, seletionships, wathcassists. Abics. Azospirillum, zospirillum, carbon saffecting acetylene reduction 4244. inoculation, nitrogen fixation, rhizosphere, effects on yield, Zea mays 9598 inoculation, relationship, Trificum aestivum hormones mutants yield 5944. inoculation, relationship, Timicum aestivum yield 5942. inoculation, relationship, Zea mays growth, yield 5943. Cylindrocarpon destructans biosynthesis, relationships, pathogenicity, Abies alba 4174. Fusarium production 7491.

pepirilium, (continued)
itrogen fixation, inoculation, yield, Triticum aestivum, Triticum turgidum 9599,
itrogen fixation, mizosphere, ipomoea batatas 9594,
itrogen fixation, soil isolates, Diplachne fusca rhizosphere microorganisms 592
itrogen fixation, soils (saline), india 7840,
itrogen fixation, dia fixation, association, Gramineae 5941,
oppose environment plants rhizosphere microorganisms, identification, incidence Bacilius, (continued)
biodegradation, odors compounds, skatole, indole, butyraldehyde 5580, biodegradation, odors compounds, skatole, indole, biodegradation, surfactants, in vitro 842d zignic, cholesterol 2881, biodegradation, surfactants, in vitro 842d zignic, cholesterol 2881, biodegradation, surfactants, in vitro 842d zignic, state 200, contamination, cotton 1320, contamination, cotton 1320, contamination, niki, buffaloes 7578 deoxyribonuclease, ribonuclease, purification, characterization 1937, detection, media (selective) methodology, association, food contamination 5416, digestion (anaerobic), animal wastes, pigs 5301, distribution, feeds, radiation disinfection 7605, factors affecting, growth, reactors, methodology 1794. facturing antiboaterial activity 3436. fermentation, Pentaclethra macrophylia seeds 6675. food contamination, luncheon meat, factors affecting spoilage 2029, genetic engineering, production, enzymes, toxins 987, jegucanse effects on ethanol fermentation 1993, gold, biogeochemistry 7013, leat resistance, dairy products, incidence 4814. hexamine biodegradation 7599, achydroxy adegradation 7599. Introgen fixation, association, ritizosphere, pied, Tribcum aestivum 9602, introgen fixation, incodence 7853 pp. 1918.

Tribcum fixation, incodence 7853 pp. 1918.

Tribcum association, association set fects on, carotenoids, poly-gh-tytodrum repens, Medicago sativa, Cicer arietinum, effects on, nodulation, sociation Setara italica life cycle 8702.

Tribcum fixation, association Setara italica life cycle 8702.

Tribcum fixation, association fixation, fixosphere, Piedi, Tribcum aestivum 9602.

Tribcum fixation, nitrogen-15 dilution, ritizosphere, Tribcum aestivum 9637.

Tribcum sources effects on acetylene reduction 7838.

Tribcum association, Cicer arietinum, nitrogen fixation 6505.

Effiziobium, association, Cicer arietinum, nitrogen fixation 6505.

Effiziobium, association, Cicer arietinum, nitrogen fixation 5606.

Tribcosphere, nitrogen fixation, yield, Azotobacter chrococcum, Zea mays 1500.

Tribcum association, vies amays, Sorphum bicolor 6988. -hydroxy acid production 2743.
-hydroxy acid production 2743.
-iturin A, structure, N.M.R., mass spectroscopy 9774.
-lactic acid fermentation, vegetables 5607.
-medical dressings contamination 8073. hizosphere microorganisms, role, nitrogen nutrition, Triticum aestivum 7008 hizosphere nitrogen fixation, yield, Azotobacter chrocococum, Zea mays 1500. ole, nutrient uptake, roots, Zea mays, Sorghum bicolor 6988.

-sarabinose dehydrogenase, purification, characterization 5527.

ospirillum lipoferum, nitrogen fixation, ritrogen fixation, ritrogen fixation, ritrogen fixation, ritrogen fixation, ritrogen fixation, delegation, ritrogen fixation, oxolum molyodate effects on 3233, ritrogen fixation, sodium molyodate effects on 3233, ritrogen fixation, spesticides, toxicity 4253, oldi microorganisms, pesticides, toxicity 4253, oldi microorganisms, pesticides, toxicity 4253, oldi microorganisms, pesticides, toxicity 4253, oldi microorganisms, role, nitrogen nutrition, Triticum aestivum 7006, rotobacter bejerinckii, hizosphere microorganisms, role, nitrogen nutrition, Triticum aestivum 3195, senzyl viologen inactivation glutamine synthetase 1868, rowth, ritrogen fixation, seed treatments, effects on yield, Cyperus rotundus 8677, introgen fixation, seed treatments, effects on yield, Cyperus rotundus 8677, introgen fixation, seed inculation, periodato, seads inculation, periodato, seads inculation, periodato, seads inculation, seeds inculation, seeds inculation, seeds inculation, seeds inculation, seeds inculat methanogenesis, inoculation, enumeration, digestion (anaerobic), crop residues 7197. microwave radiation sterilization, culture systems plastics 708. n-nitrophenetol biodegradation 2013. parathion hydrolysis, soil 160. purification, industrial effluents, wastewater treatment 793. pyruvate dehydrogenase multienzyme complexes, purification, characterization 4645 pyrturate denydrogenase muttenzyme complexes, purification, characterization 4845.

hizosphere microorganisms, role, nitrogen nutrition, Triticum aestivum 7006. role, nitrogen fixation, Brazii soil 5961.

soft rot, fubers, Solanum tuberosum 5752.

species, wetwood ethology, Ulmus americana 8657.

spollage, luncheon meat, shelf life 4872.

spores, ethylene oxide resistance 2412.

spores preservation, use, ethanol 2699.

spores, pressure isolation 5417.

+ Streptomyces propurpuratus, neopurpuratin production, factors affecting 5561.

use, Chaetomium oiivaceum biological control, Agaricus bisporus 3052.

xylan biodegradation, xylanase bosynthesis 1060.

Bacillus amyloliquefactions, chemostats, endo-1,3(4)-β-D-glucanase production 2808.

glycine, association, enhancement, α-amylase, production 8296.

Bacillus anthracis, antibiotic sensitivity testing, use, immunofluorescence, methodology 1605. arginase, purification, characterization 6483. immunoglobulin G antibody response, immune serum, enzyme immunoassay detection, rabbits 855. argimese, purincarion, characterization 4-05.

immunoglobulin G antibody response, immune serum, enzyme immunoassay dete rabbits 855.

plasms extracts antibacterial activity, Iran 2458, plasmids, genetic control, toxins, production 2095.

spores companson. Bacilius cereus, immunofluorescence methodology 9897.

spores, counting methods, immunofluorescence 3573.

Spellius breval activity, 3-methylfurturylidene-2-thioxo-4-thiazolidones 7960.

edeine F biosynthesis, isolation, characterization 8917.

gramicidin biosynthesis, formic acid, ethanolamine, production 774.

gramicidin 5 biosynthesis, association, oxygen content, media 6225.

gramicidin 5 biosynthesis, association, oxygen content, media 6225.

gramicidin S deficient mutant, phenylalanine metabolism transfer, gramicidin S synthetase, sufflydryl groups chemical modification 6494.

gramicidin 5 synthetase, sufflydryl groups chemical modification, between 6494.

gramicidin 5 synthetase, sufflydryl groups chemical modification 6496.

Synthetase 6494.

Sy serine proteinase, isolation, characterization 8281. spores viability, gramicidin S biosynthesis, storage+freeze drying effects on 9783. sporulation, serine proteinase, biosynthesis 6545. sportulation, sentie proteinase, liosyntinesis 0343.

Bacillius cadaveris,
 lysine decarboxylase, mechanisms, stereospecificity 6533.
 ornithine decarboxylase, lysine decarboxylase, arginine decarboxylase, stereochemistry, Escherichia coli 6506. Bacilius cereus, adenosine (phosphate) deaminase, adenosine phosphorylase, substrate specificity adenosine (phosphate) dearminase, adenosine phosphorylase, substrate specific 1934
B-amylase production 7317
B-amylase production 7317
B-amylase purification, characterization 8301,
antibacterial activity, Allium sativum extracts 1549,
antibacterial activity, Allium sativum extracts 1549,
antibacterial activity, sorbic acid, pH 7065,
cell culture, oxygen, penetration, measuring techniques 6341,
contamination, goats meat, frozen foods 5506,
contamination, toxigenicity, infants food 8464,
deoxyribonuclease I, purification, characterization 8238,
deposition, giass capillary, mathematical models 9884,
DNA dependent adenosinetriphosphatase, purification, characterization 8264,
effects on corn meals, nutritive value 251,
food contamination, cooking, sanitation, kitchens 213,
growth, food contamination, beans 219,
identification, methodology 5419,
B-lactamase, phenylglyoxal inactivation 948,
iactoferrin, transferrin, interaction, nitrite, inhibition, sporulation 3329,
neomycin antibacterial activity standardization 8855.
phospholipase C 8237,
proteinase, diffusion tests 1935,
prumyon biosynthesis 4423,
spores companison, Bacillus anthracis, immunofluorescence methodology 9897.
spores, counting methods, immunofluorescence activity,
spores, companison, Bacillus anthracis, immunofluorescence methodology 9897.
spores, cimethyl sulfoxide, EDTA, effects on antibacterial activity, ririn, coordination geometry, copper active sites, Raman spectroscopy, Pseudomonas aeruginosa 9. .M.R., Alcaligenes faecalis 920. charis coridifolia, ptake, mycotoxins, poisoning, cattle 2944. ptake, mycotoxins, poisoning, cattle 2944.

Illius,
Iuminum phosphate solubilization, acid production 5891.
Intagonists, use, disease control, Lycopersicon esculentum, Citrullus vulgaris,
Fusarium wilt 1354.
Fusarium wilt 1354.
Intibacterial agents, quinazolinones 5196.
zo dyes biodegradation 9257.
acteria growth, association carbon 8069.

Bacillus sphaericus, (continued)
biological control, larvae, Culicidae 6611.
biological control, persistence, aquatic environment, Culicidae 1024.
biological control, persistence, aquatic environment, Culicidae 1024.
biological control, persistence, aquatic environment, Culicidae 1024.
biological control, activity, Aedes aegypti larvae 7486.
cell culture, biological control activity, Aedes aegypti larvae 8349.
cell culture, biological control activity, Aedes aegypti larvae 8349.
cell culture, biological control activity, Aedes aegypti larvae 8349.
cell culture, biological control culture, activity, Bacilius cereus, (continued)
formaldehyde, hydrogen peroxide 8772.
spores, germination, heat resistance, association, diarrhea, emetics, food
contamination, man 193.
spores preservation, use, ethanol 2699.
tetramethyl pyrazine biosynthesis 1983.
Bacilius circularis,
--amylase, purification, characterization, starch hydrolysis 6520.
--amylase, purification, use, mallohexause production 80.
--antibiotic Bu-2470, structure 8889 production 80.
short sport 5315. kanamycin A metabolism, amikacin biosynthesis 6157. phosphate solubilization, organic acids, soil 3187. phosphate solubilization, soil 3214. phosphate solubilization, uptake, Oryza sativa 3188. priospriate solubilization, uprake, Oryza saftiva 3188. **Bacillus coagulans,**endo-1,4-β-D-xylanase, exo-1,4-β-D-xylosidase, physicochemical properties
4685. 4685.
ght-graidehyde-phosphate dehydrogenase, structure, X-ray crystallography 72.
peptidoglycans structure, linkage galactosylglycerol phosphate 5532.

Bacillus diphtherae,
synthetic detergents antimicrobial activity 7958.

Bacillus firmus,
appollugeridaes hipsynthesis potential 0450. Bacillus firmus,

a-D-glucosidase, biosynthesis, activity 9168.
indole-3-aceite acid biosynthesis. Oryza sativa yield, soils (acid), India 4225.
phosphate solubilization, organic acids, soil 3167.
phosphate solubilization, soil 3214.
Bacillus fragilia,
collactames contental activity 7138.
clactamese inhibitors, cephalosporins synergism 6133.
Bacillus globigii,
spores inactivation, microwave radiation, aerosols 9706.
Bacillus Intermedius,
ribonuclease, anhivral activity, pseudorabies virus, foot-and-mouth disease
virus 6077.
Tibonuclease, conformational analysis, throtophan residuse 2768. 4638
phosphoglycerate kinase, purification, characterization 6418, pullulanase biosynthesis 5509
ribosomal subunit 505, crystal structure, electron microscopy 4563, spores, figlicolinic acid activation, counting methods 3612, spores, heat inactivation, soybean milk 207.
thermophilic microorganisms, a-amylase biosynthesis 1913, tryotophanyl-tRNA synthetase, purification 933, tryosyl-tRNA synthetase, amino acid sequence 6532.
Bacillus stearothermophilus var.calidolactis, anbibidic sensitivity testing 5180.
Bacillus subtilla, Achatha fullica mucin antibacterial activity 5185. Bacillus (intermedius, pores inactivation, microwave radiation, aerosols 9706.

Bacillus Intermedius, inhonociease, antiviral activity, pseudorabies virus, foot-and-mouth disease virus 6077.

Ibonuclease, conformational analysis, tryptophan residues 2768. Inbonuclease, use oligoribonucleotides synthesis, kinetics, comparison activity. Sci. 1984.

Bacillus Internedius, 284.

Bacillus Internedius, purification, characterization 7375.

antibiotic resistance 9642.

bacitracin biosynthesis, relationship sporulation 8865.

bacitracin biosynthesis, relationship sporulation 8865.

bacitracin effects on bacitracin biosynthesis 6173.

bacitracin production, auxotrophy mutants 6172.

fructose-bisphosphatase, purification, characterization 6410.

membranes ribosomes, biosynthesis, characterization 6410.

membranes ribosomes, biosynthesis, characterization, immobilization 4613.

6-phosphofructokinase, purification, characterization 6430.

Bacillus macerans,

8-11,3-glucar-glucan hydrolase effects on athanol fermentation 1993.

Bacillus macerans,

8-11,3-glucar-glucan hydrolase effects on sthanol fermentation 1993.

Bacillus macerans,

8-11,3-glucar-glucan hydrolase effects on athanol fermentation 1993.

Bacillus macerans,

1-11,3-glucar-glucan hydrolase effects on athanol fermentation 1993.

Bacillus macerans,

1-11,3-glucar-glucan hydrolase effects on 3459.

antibiotic resistance development 6020.

antimicrobial activity, 3-mathylfurfurylidene-2-thioxo-4-thiazolidones 7960.

bacteriocins, companson, megacin A 8044.

citrate synthase, purification, characterization 7396.

constitutive mutant, penicillin amidase biosynthesis 2802.

constitutive mutant, penicillin amidase biosynthesis 2802.

contamination, tablets, prossure effects on 3459.

flavoprotein-linked monoxygenase induction 8322.

glucose dehydrogenase, proteolysis 8273.

leucine dehydrogenase, proteo acilius subtilis,
Achatna fulica, mucin, antibacterial activity 5185.

\$-{2-aminoethyl)!-cysteine resistant mutant, L-lysine excretion 9122.

-amylase, extranase, poly(aninos) inhibition kinetics 79,

-a-amylase, exo-1,4-a-D-glucosidase, xylose isomerase, immobilization,
use, Sepharose-6MB 9147.

-a-amylase immobilized enzymes 49. α-amylase, immobilized enzymes, activity, association, starch, non-linearity 9134. α-amylase production, continuous culture 2794.
α-amylase, purification, characterization, α-amylase inhibitor inhibition 4629. 4629 - Acceptable purification, kinetics, chemical composition 9143. antibacteiral activity, Chromobacterium violaceum antibiotic Y-T0678H 9768. antibacterial activity, aminoacyl-cabazole derivatives 3330. antibacterial activity, antibiotics, biosynthesis, Streptomyces tendae 8878. antibacterial activity, shikonin-β,β-dimethylacrylate, Alkanna hirsutissima 7081. antibacterial activity, shikonin-β,β-dimethylacrylate, Alkanna hirsutissima 7081.

antibacterial activity, sorbic acid, pH 7065.

antibacterial activity, Streptonoccus mutans bacteriocins 8025.

antibacterial activity, Streptonoccus mutans bacteriocins 8025.

antibacterial activity, Streptonoccus mutans bacteriocins 8025.

antibacterial activity, synthetic gratisin 884.

antibacterial activity, tetrocarcin A 7178.

antibacterial activity, antimicrobial agents 5233.

antibinicrobial activity, O.O-dialkylthophosphoric acid.

O.O-dialkyldthophosphoric acid. dervatives 7955.

antimicrobial activity, pectinatione 8910.

autolysins deficient mutant, cycloserine bactericidal activity 4331.

binding, metals, conversion 4257.

bioassays indicator species, drug sensitivity testing 6039.

biodegradation, p-aminoazobenzene 2006 efeturoxim, antibacterial activity 1612.

cell membranes, DNA-binding protein, purification, characterization 9121.

colloctol, effects on, membrane permeability 6053.

3'5'-oyclic-nucleotide phosphodiesterase inhibitor, activity mechanisms 7305.

3'5'-oyclic-nucleotide phosphodiesterase inhibitor, isolation, amino acid sequence, lactones linkage localization 7304.

3'5'-oyclic-nucleotide phosphodiesterase inhibitor isolation, fatty acid composition, admanycin, antibacterial activity, structure-activity relationships 4404. oduliorubicii, anamyon, amusacientai activity, structure-activity relationships 4404.
2,4-dimethyl-1-cyclohexanol hydrolysis, use production 2,4-dimethyl-1-cyclohexanones 1985.
DNA biosynthesis, RNA biosynthesis, protein biosynthesis, parabens, effects on 7120. 7120.
fflects on corn meals, nutritive value 251.
effects on corn meals, nutritive value 251.
elastase, purification, characterization, activity 1902.
endo-1.3-B-D-xylanase, isolation, characterization 7378.
evo-1.4-c-D-plucosidase bioassays 4681.
fructose-bisphosphate adolase, purification, characterization 6428.
± fungicides, biological control, white rot, Allium cepa, seed treatments
4103. 4103. glucose-6-phosphate dehydrogenase, purification, characterization 4635. gramicidin S, hyrocidine A, antibacterial activity 2424. growth rate, c-amylase production 2795. histology stains, scanning electron microscopy 866. immobilized cells, biosynthesis, proinsulin 4582. immobilized cells, biosynthesis, proinsulin 4582. immobilized cells, viability 854. inhibition, rust, Uromyces phaseoli, biological control, Phaseolus vulgaris 9498, inhibitors, 3':5'-cyclic-nucleotide phosphodiesterase, physicochemical properties 7176. initiotius, э. э. -чучк-пълнация реклада принята тупора т

```
Bacillus subtilis, (continued)
mycobacillin, purification 767.
neomycin antibacterial activity standardization 8855.
ornithine carbamoyltransferase, purification, characterization 7382
phosphate solubilization, organic acids, soil 3187.
phosphate solubilization, soil 3214.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Bacillus thuringiensis, (continued)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        persistence, biological control, Culex pipiens 1008, pest control, biological control, Culicidae 297
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      pest control, biological control, Culicidae 297
phosphatidylinostiol specificity phospholipase C 8235,
phospholipase C, purification, characteraztion 8242
proteins, detection, enzyme-linked immunosorbent assay 3561,
spores + crystals complex, evotoxins effects on Ostrinia nubitalis 7489,
spores, persistence, leaves, biological control, Lepidoptera 1006,
spores, persistence, soli, biological control, insecta 1007,
stenitzation, temperature, time effects on 4323,
storage, biological control, larvae, Simulium damnosum, tropical environment
           phosphate solubilization, soil 3214.
phosphate solubilization, uptake, Oryza sativa 3188.
6-phosphofructokinase, purification 549.
3-phytase, purification, characterization 30.
plasmids, acridine orange effects on polyglutamic acid biosynthesis 1846.
poly(glutamic acid) biosynthesis, genetic control 911.
post-harvest decay, etiology, Manihot esculenta 3102.
proteinase, cheese ripening 4794.
proteinase, denaturation kinetics 1891
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        subsp.israelensis, spores, viability, toxicity, biological control, Aedes aegypti 4713.
             pynmidines biosynthesis, imidazole acetyltransferase, gluconimycin inhibition
                                                                                                                                                                                                                                                                                                                                                                                                                                                            4/10.

Avicides, factors affecting, Culex quinquefasciatus, Aedes aegypti, Anopheles albimanus, Anopheles quadrimaculatus 8380. toxins, pathogenesis, Bombyx mori farvae midgut cells 3738. toxins, use biological control, Insecta 5564.

Bacillus thuringlensis aubsp.entomocidus, 8-endotoxin, purification, characterization 7641.
                         8014
             pyruvate dehydrogenase multienzyme complexes, purification, characterization
             5524, radioresistance mutants, isolation, characterization 7027, rec gene assays, detection, production DNA damage metabolites, fungi, Streptomyces 7246, ribosomes, relationship, RNA polymerase, biosynthesis 1940, seed treatments, disease control, white rot, Allium cepa 5848, sertine proteinase, purification, characterization 7416.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            8-endotoxin, purification, characterization 7-b1.
Bacillus thuringlensis subsp.israelensis,
biological control, Psorophora columbiae, paddy fields, Oryza sativa 6597.
biological control, Simuliidae, streams 6602.
8-endotoxin, biological control, Culicidae 5553.
treatment, pathogenesis, Aedes aegypti larvae 3721.
serine profeinase, purification, characterization 7416.

spores, bioassays, antimicrobial agents, unne 9708.

spores preservation, use, ethanol 2599, spores, resistance, glutaraidehyde, sodium hypochlorite, iodine 5177.

streptothnicn resistance 9643.

subfiliain, conformation, C.D., fluorescence 90.

subfiliain, conformation, pluorescence 90.

subfiliain, conformation, pluorescence 90.

subfiliain, ethanol, glycerol, sucrose stabilization 5503.

teichoicase, purification, characterization 7403.

teichoicase, purification, characterization 7403.

teichoicase, purification, characterization 7403.

teichoicase, purification, Sciencium ceptivorum white rot, Allium 6592.

waste water contamination, U.V. radiation disirrifection 3472.

Bacillius aubtillia subep, nijegr, indicator species, ethylene oxide sterilization, factors affecting 4322.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            biological control, Culicidae larvae, asociation plasmids 2842.

Bacilius thuringlensis subsp.kurstaki, toxicity, Platynota idaeusalis larvae, association formaldehyde dietary intake 7496.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Bacillus thuringiensis subsp.thuringiensis
                                                                                                                                                                                                                                                                                                                                                                                                                                                            culture, aeration induction phages lysis 6314.
Bacillus thuringlensis var.galleriae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                          radioresistance mutants, isolation, characterization 7027.

Bacillus thuringlensis var.israelensis, pathogens, temperature effects on, biological control, Culex pipiens molestus 2075.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        toxins biosynthesis, factors affecting, association, Culicidae larvae lethality
factors affecting, sporulation, resistance, ethylene oxide 9705.
secondary alcohols biosynthesis 3755.
Bacillus thermoproteolyticus,
proteinase, unfolding mechanisms 4680.
Bacillus thiaminolyticus,
thiamin pyridinylase, purification, characterization 8257.
Bacillus thuringienals,
aenial applications, role, interaction, Apanteles melanoscelus, Lymantria dispar
3722.
Antibiptic resistance 654
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Bacillus vitellinus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        alkaline phosphatase, purification, characterization 3700.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Bacitracin,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Bacillus stearothermophilus var.calidolactis antibiotic sensitivity testing 5180. 
binding, DNA, physicochemical properties 7157. 
biosynthesis, Bacillus licheniformis 761. 
biosynthesis, relationship Bacillus licheniformis sporulation 8865.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          biosynthesis, relationship Bacillus licheniformis sporulation 8865. effects on bactiracin biosynthesis, Bacillus licheniformis 6173. production, Bacillus licheniformis, auxotrophy mutants 6172. Bactec test, blood culture, bacteria isolation 9950. detection, bacteria contamination, antibiotics fermentation, Penicillium, Streptomyces 8824. detection, blood culture bacteremia 9899.
      artbuotic resistance 661.

+ Apanteles melanoscelus, pathogens, biological control, Lymantra dispar 2832. biological control, Aedes taeniorhynchus, salt marshes 7461. biological control, Anopheles atroparvus, Culex pipiens, Culex molestus 4712. biological control, Anopheles autoparvus, Culex pipiens, Culex molestus 4712. biological control, Anopheles quadrimaculatus, paddy fields, Oryza sativa 6601. biological control, Disparencia mortality 2850. biological control, Culex quinquefascatus 2836. biological control, Culex tarsalis, paddy fields, Oryza sativa 6599. biological control, Disparencia matelial, persistence, Pinus taeda 7484. biological control, disease control, Simulium damnosum, vectors 1020. biological control, field trials, Culicidae 1030. biological control, field trials, Simulium soubrense-sanctipauli 1026. biological control, field trials, Simulium soubrense-sanctipauli 1026. biological control, field trials, Simulium soubrense-sanctipauli 1026. biological control, field trials, Simulium gouthries, research programs 1027. biological control, israel, developing countries, research programs 1027. biological control, Israel, developing countries, research programs 1027. biological control, israel, persistence, persistence, persistence, persistence, field service, persistence, persistenc
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Bacteremia, anaerobic bacteria, blood isolation methodology, centrifugation+filtration 9946.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      anaerobic bacteria, blood isolation methodology, centrifugation-fillitation 9946. 
blood culture, detection, Bactec test 9999. 
diagnosis, bacteria volatiles urine, gas chromatography, man 6315. 
diagnosis, blood culture, antimicrobial agents adsorption, man 836. 
diagnosis, blood culture methodology, man 860. 
diagnosis, use, blood culture, bacteria adenosinetriphosphatase bioluminescence 
assays 8125. 
man, gingiva, povidone-iodine treatment 815.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Bacteria.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      acteria, acetic acid media (enrichment) 9880. acettic acid media (enrichment) 9880. acettic acid media (enrichment) 9880. acettic acid media conversion factors, comparison, nitrogen fixation, soil, water content, nitrogenase activity, effects on 7005. activated sludge, extracellular polymers, heavy metals adsorption 1690. activated sludge, heavy metals tolerance, copper bioaccumulation, wastewater treatment 6246.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     treatment b246.
activity, activated sludge, relationship, sewage mercury concentration 8943.
activity, uscutus seeds germination inhibition 8577.
activity, sewage purification 8962.
adenosinetriphosphatase, bioluminescence assays, blood culture, use, bacteremia diagnosis 8125.
adherence, liquiditice, 2409.
      6596. biological control, Spodoptera frugiperda 5550. biological control, Spodoptera frugiperda 5550. biological control, Spodoptera littoralis 9224. biological control, sprays, Choristoneura furniferana 7488. biological control, Sprays, Choristoneura furniferana 8350. biological control, Sprays, Choristoneura furniferana 8350. biological control, Stilpnotia salicis 3718. biological control, Tunicida 16B, Dipel 88, Choristoneura furniferana 9222. cell culture, biological control activity, Aedes aegypti larvae 7486. compatibility, captan, pest control, Ephestia cautella, Plodia interpunctella, stored products 7495. compatibility, captan, pest control, Ephestia cautella, Plodia interpunctella, stored products 8351. crystals, biological control, Aedes aegypti larvae, potassium carbonate effects on 4717. seendotoxin, amino acid sequence 4911.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   diagnosis 8125.
adherence, plastics 3492.
aerosols, characterization, factors affecting viability, reviews 8115.
alkanal monoxygenase (FMN-linked), assays 9163.
alkanal monoxygenase (FMN-linked), heat inactivation 6479.
amino acids production, fermentation, genetic engineering 9117.
ammonification, USSR soil 7808.
-amylase activity determination, methodology 7401.
-amylase use, starch fermentation, glucose biosynthesis 4699.
analysis, water springs 9815.
animal isolates, pigs urinary tract, chemotherapeutics, drug sensitivity testing 2464
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2404.
antagonism, Gaeumannomyces graminis infection, Triticum aestivum roots 3008.
antagonism Phellinus weirii, forests 2298.
antagonists, interaction, Gaeumannomyces graminis var.tritici, clays effects on 4199.
      antibacterial activity, β-lactam antibiotics 4340.
antibacterial activity, acylureidopenicillins, antibiotic antagonism, cephalosporins 6144.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cophalosporins 6144, antibacterial activity, erythromycin, carbon dioxide effects on 3420, antibacterial activity, erythromycin, carbon dioxide effects on 3420, antibacterial activity, Helichrysum plicatum extracts 2443, antibacterial activity, Helichrysum plicatum extracts 2443, antibacterial activity, nalidixic acid analogs 5187, antibacterial activity, princillins, climical aspects 6150, antibacterial activity, pryndencearboxylic acid derivatives 5190, antibacterial activity, troistins antibiotics a3424, antibacterial agents, feeds additives, residues analysis, livestock 252, antibacterial agents, remycin 3438, antibacterial agents
      Larvicides, equipment, pesticide applications, methodology, Culicidae 9204, pathogenicity, environmental effects, Culex pipiens, Aedes aegypti 295. pathogenicity, mortality, biological control, Glossina pallidipes 994, pathogenicity, pest control, Culicidae 296. pathogens, biological control, Insecta 999.
```

Bacteria, (continued) acterria, (continued)

cell walls, lipopolysacharides, reaction, polymyxin B, identification,
methodology 1790.

cell walls peptidoglycans, conformational analysis 3714.

cellulolyte microorganisms, wood, fungi effects on cellulose biodegradation Bacteria, (continued)
antibiotic resistance, aminoglycoside antibiotics, clinical aspects, dosage frequency effects on 6002. antibiotic resistance, aminoglycoside antibiotics, clinical aspects, conferences celluloyhor microorganisms, wood, fungl effects on cellulose biodegradatio 2005.
centrifugation, milk, ultrahigh temperature pasteurization, organoleptic properties 2933.
cephalosponns antibacterial activity 8837.
cephalosponns antibacterial activity 8837.
cheese ripening, amino acids levels 5603.
chlorobenzoates dehalogenation 4749.
5.6-cis-carbapenem+β-lactam antibiotics, antibiotic synergism, inhibition, β-lactamase 1683.
citrate (pro-35)-lyase, 2-fluorocitric acid, 2-hydroxycitric acid enantiomers inactivation 7708.
clinical isolates, antibacterial activity, cefoxitin, tobramycin, comparison N-formimidoyl thienamycin 7076.
clinical isolates, antibacterial activity, gentamicin, tobramycin, netilmicin, media analysis 7074.
clinical isolates, antibotic sensitivity testing 2522.
clinical isolates, antibotic sensitivity testing 2522.
clinical isolates, antibotic sensitivity testing 2522.
clinical isolates, antibotic sensitivity testing 7131.
clinical isolates, antibotic sensitivity testing 7131.
clinical isolates, antibotic sensitivity testing 7132.
clinical isolates, antibotic sensitivity testing 7132. antibiotic resistance, aminoglycoside antibiotics, epidemiology, plasmids association, France 6006. antibiotic resistance, aminoglycoside antibiotics, incidence, Switzerland, antibiotic resistance, aminoglycoside antibiotics, role enzymes inactivation mechanisms 6005. clinical surveys 6003. mechanisms 6005.
antibiotic resistance development 6020.
antibiotic resistance, epidermology 9647.
antibiotic resistance, pathogenicity 2415.
antibiotic resistance, pathogenicity 2415.
antibiotic resistance, relationship antibiotics treatment, prophylaxis 7881.
antibiotic resistance, role, plasmids 6017.
antibiotic resistance, septicerma, man 645.
antibiotic sensitivity testing 7884.
antibiotic sensitivity testing 7884.
antibiotic sensitivity testing 7884.
antibiotic sensitivity testing 7884.
antibiotic sensitivity testing antibiotics resistivity testing antibiotics antibiotics sensitivity testing antibiotics antibiotics. association 5239.

antibiotic sensitivity testing, antimicrobial agents 5233.

antibiotic sensitivity testing, automated methods, micromethods 9729.

antibiotic sensitivity testing, British Isles 2463.

antibiotic sensitivity testing, coffetetan 4352.

antibiotic sensitivity testing, computer applications 9739.

antibiotic sensitivity testing, polyene antibiotics, growth zones relationship time 2520. clinical isolates, blood culture, sucrose effects on detection 9955. clinical isolates, cancer patients, antitumor agents, antimicrobial activity time 2520. antibiotic sensitivity testing, use, immunofluorescence, methodology 1605. antibiotic sensitivity testing, use, lasers nephelometry automated methods 9737. antibiotics, antifungal activity, Phytophthora cactorum 8633. antibiotics inhibition zones, measuring techniques 9719. antibiotics production, role, genetic engineering 1601. antipens expression, immunoassays detection 9874. annimicrobial activity, Basidiomyotes, antibiotics 2496. antimicrobial activity, plugaternary ammonium compounds 703. antimicrobial activity, preservatives, acetic acid, sodium chloride, essential oiis 706. antimicrobial activity. 2H-1,3 5-thiadiazine-2 4/3H-dione derivatives 1585. clinical isolates, cancer patients, antifumor agents, antimicrobial activity 9675.

clinical isolates, cefoperazone antibacterial activity 7146.

clinical isolates, cerebrospinal fluid, media (culture) 852.

clinical isolates, cerebrospinal fluid, media (culture) 852.

clinical isolates, cerebrospinal fluid, media (culture) 852.

clinical isolates, trimethoricology, 834.

clinical isolates, thire thoricoblogy, 834.

clinical isolates, trimethoricol antibacterial activity 9669.

clinical inicrobiology, computer applications 3693.

clinical microbiology, laboratories, quality control 710.

colony-formig cells, growth, multiplication, mathematical models, soil 2345.

community structure, mines, drainage, effects on, lakes 8068.

contamination, anesthesia medical personnel, man, medical equipment 7205.

contamination, antibiotics fermentation, Pericillium, Streptomyces, detection, Bactec test 8824.

contamination, acuffers, methanogenesis, phenol 4450.

contamination, beef hot-boring, cold storage, abattoirs 244.

contamination, breast milk, man 4770.

contamination, control, preservatives, antibacterial activity 4320.

contamination, control, preservatives, antibacterial activity 4320.

contamination, control, preservatives, antibacterial activity 4320.

contamination, control, preservatives, antibacterial activity 4320. 9675 antimicrobial activity, preservatives, acetic acid, sodium chloride, essential oils 706.
antimicrobial activity, 2H-1,3,5-thiadiazine-2,4(3H)-dione derivatives 1585.
antimicrobial agents biological properties, synthesis 8773.
aquatic environment, most probable number detection, use, calculator 8139.
aromatic compounds minerialization, lakes, sewage 2008.
aromatic compounds transformation 2019.
arsasya, laminar air flow safety equipment 5332.
asymmetry hydrolysis, 1-acetoxy-2,3-dichloropropane 158.
bacteremia diagnosis, blood culture methodology, man 860.
bacteriuria, man, detection, urine microscopy 2895.
beer fermentation, dimetrly suffide role 8405.
bioassays, hydrogenase, activity 6336.
biodegradation, cellulose acetate reverse osmosis, membranes 2883.
biodegradation, colitores acetate reverse osmosis, membranes 2883.
biodegradation, phydrogenose 8427.
biodegradation, ptorquione 8427.
biodegradation, pcRG 2895.
biodegradation, pcRG 2895.
biodegradation, phydrogenose 8427.
biodegradation, phenylalanine, catechol-2,3-dioxygenase 157.
biodegradation, wheat gluten 2915.
biodegradation, wheat gluten 2915.
biodegradation, wheat gluten 2915.
biodegradation, of, eminohexanic acid 3783.
biodeterioration, foulting organisms, control, oil, forestry products, effluents, books, conferences 1000.44.
biodeterioration, industries, preservatives, bactericides use, conferences 4755.
biodeterioration, oil pipelines, Canada, hydrogen suffide production association 7018.
biodeterioration, water supplies, industries, conferences 4756. contamination, enterovirus immobilization bentonite, ethanol bactericidal activity 3523. activity 3523.
contamination, fishery products, Kenya 3837.
contamination, fishery products, Kenya 3837.
contamination, food industry, heat exchange cleaning systems 4784.
contamination, food muster, sewage, public health, man 5285.
contamination, injectable vials, medical equipment, cost-benefit analysis 9822.
contamination, lettuce juices, public health, man 4792.
contamination, meat surveys 223.
contamination, meat, surveys 223.
contamination meat for surveys 223.
contamination milk food justify storage 4837. contamination, medicine 4464.
contamination, milk, food quality, storage 4837.
contamination, milk, milking machines 4823.
contamination, milk, milking machines 4823.
contamination, milk, packaging, pasteurization 8500.
contamination, milk, sparkaging, pasteurization 8500.
contamination, milk, sparkaging, pasteurization 8500.
contamination, milk, sparkation, milking machines 5341.
contamination, milk, sparkation, milking machines 5341.
contamination, pourtry, counting methods, factors affecting 190.
contamination, respirators, medical equipment, noscomial environments 9823,
contamination, sampling methodology, carcasses 2028.
contamination, semplogical tests reaponts, quality, control 2020.
Contamination, semplogical tests reaponts, quality, control 2020. 7018. biodeterioration, on pipelines, Cainada, hydrogen sumoe production association 7018. biodeterioration, water supplies, industries, conferences 4756. biodiffins, wastewater treatment, population studies 5300. biological control, insecta 4722. biological control, insecta 47417. biological control, insecta, commercial species, marketing 1021. biological control, interference, sap, host plaints 2831. biological control, interference, sap, host plaints 2831. biological control, pathogenicity, animals 4711. biological control, pathogenicity, animals 4711. biomass, activity, bioreactors, factor affecting 9104. biomass determination, dry matter water uptake analysis 8129. biomass sussaining techniques, muranic acid, high-performance liquid chromatography, sediments, marine environment 7252. biomass, muranic acid indicators, gas chromatography, sediments, estuaries 9027. biomass, muranic acid indicators, gas chromatography, sediments, estuaries 9027. biomass, hizosphere, litter, soil, agricultural practices, meadows 9534. biight, Maniot seculents, symptoms, etiology 4022. biight, Phaseolus vulgaris, disease control 9462. biight, Phaseolus vulgaris, disease control 9462. biomas control patricians, disease transmission, Citrus 1204. biod culture, centrifugation, isolation methodology 9947. contamination, serological tests reagents, quality control 5229 contamination, standards, milk 4824 contamination, teeth, man, dentistry instruments 2643. contamination, standards, milk 4824.

contamination, teeth, man, dentistry instruments 2643.

contamination, teeth, man, dentistry instruments 2643.

contamination, secondary dentistry instruments 2643.

contamination, secondary dentistry instruments 2645.

contamination, vaccina virus samples, phenols elimination 2657.

contamination, water disinfection, cleaning systems, milking machines 5342.

contamination, water disinfection, cleaning systems, milking machines 5342.

contending water systems surfaces contamination, bactencides, nutrient availability effects on 4451.

com lementation, ethanol biosynthesis, batch culture 134.

cottimioxazole, antibacterial activity, folic acid pathway 6033.

cottimioxazole, antibacterial activity, reviews 6032.

counting methods, autoriated methods, milk 215.

counting methods, autoriated methods, milk 215.

counting methods, silversecence+membrane filtration 1798.

counting methods, statistical analysis 1793.

counting methods, silversecence+membrane filtration 9110.

crown gall induction, plants 4926.

counting methods, silversecence-membrane filtration 9110.

crown gall induction, plants 4926.

culture, freeze-drying, association, contamination analysis methodology 2684.

culture, freeze-drying, association, contamination, autoritin 9753.

dairy products, termentation efects on, ethanol, volatiles acids 4853.

dalapon utilization, association dehalogenation, halogenation, halogenation halogenation, halogenation, halogenated armatic compounds, idexes, sediments 6648.

dental caries, man, antibacterial activity, fluoride dentrifices 3504. 1204. Diode culture, centrifugation, isolation methodology 9947. blode culture, centrifugation, isolation methodology 9947. butyne acid, fermentation, mathematical models 9065. cadmium bioaccumulation, pollution effects 794. cadmium bioaccumulation, pollution effects 794. cadmium uptake 1489. calcification, calcium carbonate, caves 8711. carbohydrates metabolism pathways, tricarboxylic acid cycle, enzymes 123. carbon dioxide, formation, 2,4-D, degradation, mineralization, soil 5909. carbon monoxide oxidation, air pollution 9795. carbon monoxide oxidation, air pollution 9795. carbon washing effects on 5613. carrots washing effects on 5613. carrots washing effects on 5618. measuring techniques, use, biolumine cell adhesion, polystyrene substrates, measuring techniques, use, biolumine cell adhesion, polystyrene substrates, measuring techniques, use, bioluminescence 4489.

cell culture, dilution, automated methods 3600

cell culture, sampling, statistical analysis, species diversity measurements
methodology 870.

cell cycle analysis methodology, relationship, growth rate 3559.

cell disruption, methodology glass beads 6337.

cell injury, association, novobiocin, coumermycin 5280.

cell size measuring techniques, Coulter nano-sizer 2646.

cell walls, amino sugars, sugars, gas chromatography 9877.

```
scteria, (continued)

dental caries, man, prevention, calcium fluoride transformation 814.

dental disorders, prophylaxis, children 811.

dental disorders prophylaxis, fluoride dentifrices 812.

dental disorders, prophylaxis, man 809.

dental disorders, treatment, children 810.

dental plaque, dental caries, hygiene, children 2642.

dental plaque, solatal caries, multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-multi-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       deceria, (continued)
food contamination protection, vegetables 2918.
food contamination, ripening, salami 2030,
food contamination, seafood 8466.
food contamination, seafood, quality control, resazurin test 3374.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       food contamination, seafood, quality control, resazurin test 3374, food contamination, spoilage, poultry, cooking, kirchens 1067. food processing, Allium cepa, microbiology 3843. food spoilage, luncheon meat, food processing, heat treatments, effects on 6678, formate dehydrogenase, active sites lysine residues chemical modification 7380. formate dehydrogenase, use, NAD regeneration systems 4866. fouling assays methodology 6128. fouling assays methodology 6126. fouling organisms, films, cooling water, industrial water systems 6257. fouling organisms, films, cooling water, industrial water systems 6257. fouling organisms, films, cooling water, industrial water systems 6257. fouling organisms, films, couling organisms, films, colling organ
deintal plaque, dental caries, hygiene, children 2642.

dental plaque, dental caries, hygiene, children 2642.

dental plaque, man, control programs 3507.

denosition, glass capillary, mathematical models 9884.

detection, imulus hysate test, milk, ultrahigh temperature, pasteurization 201.

detection, mulus hysate test, milk, ultrahigh temperature, pasteurization 201.

detection, mulus hysate test, milk, ultrahigh temperature, pasteurization 201.

detection, mulus hysate test, milk, ultrahigh temperature, pasteurization 201.

detection, mulus hysate test, milk, ultrahigh temperature, pasteurization 201.

detection, methodology, bioluminescence, chemiluminescence, use, clinical

microbiology 4478.

diagnosis, counter immunoelectrophoresis, man 6316.

dispestion (anerobic), methane reactors, mathematical models 5308.

dispestion (anerobic), methane reactors, mathematical models 5308.

dispessor (assessivent) prodesixins biosynthesis, energetics, plant breeding 4059,
disease resistance, phytoalexins biosynthesis,
disinfection, antiseptics, hospitals 5347.

disinfection, antiseptics, hospitals, man 5348.

disinfection, antiseptics, hospitals, man 5348.

disinfection, environmental hygiene 5347.

disinfection, environmental hygiene 5349.

disinfection, environmental hygiene 5349.

disinfection, lakes, flaty, seasonal variations 7203.

DNA base composition, electrophoresis 7254.

distribution, lakes, flaty, seasonal variations 7203.

DNA base composition, electrophoresis 7254.

dirinking water isolates, chlorine resistance 633.

efficits on chemical speciation, mercury, aquatic environment 1516.
effects on comments, ruminoph
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            gas production, association, growth, kinetics, mathematical models 9873, gastroenteritis, isolates, antibiotic sensitivity testing, drug sensitivity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             gas production, association, growth, kinetics, mathematical models 9873. gastroenterhis, isolates, antibiotic sensitivity testing. drug sensitivity testing 2521. gene amplification, temperature jump studies, use, microwave oven 9892. gene amplification, temperature jump studies, use, microwave oven 9892. genetic engineering, plasmids, methodology 5364. gentamicin biosynthesis, fermentation, aeration, agitation 7153. germicides, drug sensitivity testing, methodology 5192. glucose stransport, role phosphoenolpyruvate-glucose phosphotransferase 6411. ac-D-glucosidase hydrolysis, carbohydrates 7431. gold, biogeochemistry 7013. greening disease transmission, Cuscuta role, Citrus sinensis, Vinca rosea 9448. ground water, counting methods 3485. growth, association carbon, water treatment 8069. growth, association carbon, water treatment 8069. growth, association carbon, water treatment 8069. growth, batch culture, mathematical models 8132. growth, contamination, ham, smoking, curing 180. growth, contamination, ham, smoking, curing 180. growth, contamination, milk, storage, dairies 4832. growth, contamination, milk, storage, dairies 4832. growth, contamination, contamination, and placoco 438. growth, contamination, milk, storage, dairies 4832. growth, contamination, contamination, contamination, presidues digestion, factors affecting, forage quality 4860. growth, milk, refrigeration, storage 4826. growth, sugar inhibition, association, wound infection treatment, man, in vitro 7036.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             growth, 2-hexadecynoic acid effects on 683.

prowth, 2-hexadecynoic acid effects on 683.

heat ireatments, effects on, beef, food quality, reviews 8488.

heaty metals leaching, screening methodology 3256.

Helianthus annuus sequiterpenes lactones antimicrobial activity 7953.

histamine biosynthesis, food poisoning 121.

histology stains, scanning electron microscopy 866.

Holothuroidea tribrepne glycosides antimicrobial activity 2494.

hospitals fleinfectants antibacterial activity 4459.

hospitals laundry, washing, water temperature effects on 3496.

host-pathogen interactions, diseaser esistance, genetic factors, plants 468.

hydrocarbons, aromatic compounds, biodegradation 3263.

hydrogen oyanide productions, detection methodology 3567.

hydrogenase, activity, immobilization, applications, reviews 9169.

a-hydroy, acid production 2743.

ice nucleation, frost damage, plants 4130.

ice, nuclei, activation, cryonijury, Zee mays, Erwinia herbicola, biological control 8643.

identification, diagnosis, methodology, automated methods, books 5449.
         environmental hygiene, laboratory animals 5334.
environmental surveys, marine environment, association, bubbles, methodology
environmental hygiene, laboratory animals 5334.
environmental surveys, marine environment, association, bubbles, methodology 4495.
enzymatic synthesis, FAD 9214.
enzyme-linked immunosorbent assay detection, Prunus persica phony disease 7684.
enzymes, conversion, steroids 7433.
enzymes, purflication, characterization, books 7275.
enzymes, speparation techniques, uttrafitration 9167.
enzymes, separation techniques, uttrafitration 9167.
enzymes, technology, clinical microbiology, use 970.
entanol production, books 5447.
excretion, surfactarits, effects on, agar, surface tension, measuring techniques, mathematical models 5378.
fatty acid composition, antibiotic AL-97 effects on 8895.
fatty acids, inhibition, p-lactamase 9152.
feose, water resources, quantification 5322.
feoses, water resources, quantification 5422.
feoses contamilation, omestic animals 248.
fermentation, milk, products, effects on lactose 4855.
fermentation, milk products, effects on lactose 4855.
fermentation, milk products, effects on lactose 4855.
fermentation, pernaceletria macrophylla seeds 6675.
fermentation, 2,3-butanediol isomers production 7505.
filamentous microorganisms incidence, activated sludge 8974.
flococulants, vaker treatment 9800.
flood contamination, beef, electrical stimulation 185.
flood contamination, beef or vacuum packaging, oxygen barriers, films 261.
flood contamination, carcasses, meat industry, Norway 5618.
flood contamination, corriences 5453.
flood contamination, corriences 5453.
flood contamination, ocoking, sanitation, kitchens 213.
flood contamination, effects on nec composition 7586.
flood contamination, effects on encorriences 6463.
flood contamination, enumeration equipment 3575.
flood contamination, corceam 238.
flood contamination, color, resem 238.
flood contamination, color, resem 238.
flood contamination, color, eream 238.
                                               4495
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         control 8643. describing the control services on the control services of the c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pelecypoda 8976.

Pelecypoda 8976.

Infection, carimal models, cofotiam treatment, antibacterial activity 6129.

Infection, carbieter, scanning electron microscopy 802.

Infection, cotrimoxazole intravenous administration, in vitro antibacterial activity, man 6037.

Infection, paran 8037.

Infection, paran 8037.

Infection, paran 8037.

Infection, paran 8037.

Infection, paran, carbieter, periodilitin 61+streptomycin treatment, isolates susceptibility 8851.

Infection, Medicago sativa, disease resistance 7750.

Infection, Medicago sativa, disease resistance 7750.

Infection, disease resistance, plants 3120.

Infection, stimulation, disease resistance, plants 3120.

Infection, stimulation, disease resistance, plants 3120.

Infection, cattle 3284.

Infection reatment, annia, osphalexin+flucoloxacillin, antibacterial activity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       infection treatment, man, cephalexin+flucoloxacillin, antibacterial activity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               6132.
infection, Trifolium repens, Medicago sativa, Cicer arietinum, effects on, nodulation, yield 2226.
infection, organization, single special sease control 2267.
infection, Vigna unguiculata, disease resistance breeding 3138.
infection, Zea mays, effects on minerals uptake 4190.
inreganic prophosphatase, kinetics, reviews 6465.
interaction, Protozoa, soil 552.
isolates, hospitals, antibiotic resistance 8732.
isolation, blood culture, Bactec test 9950.
isolation, blood culture, exedia (culture), sucrose effects on 9930.
isolation, blood culture, subculture, aerobic conditions 9924.
isolation, blood culture, subculture, aerobic conditions 9924.
isolation, characterization, abscesses, pigs carcasses 5619.
solation, media (selective), contagious equine metritis, horses 862.
isolation, soil, saline environments 3196.
iabelling, use, palmitic acid, association, cell aggregation assays 7245.
β-tactam antibiotics, β-factamase identification, substrate specificity 9728.
fixed contamination, ham 3832, tood contamination, pigene, prevention, intoxication, man 194, food contamination, ice cream 238, food contamination, ice trial states of the contamination, identification, gas chromatography 236, food contamination, meat, enumeration methodology 3613, food contamination, meat, production 199, food contamination, meat, production 199, food contamination, meat, sampling methodology 9006, food contamination, microbial pollution, drinking water, indicator species, conferences 5454. food contamination, microbial pollution, drinking water, indicator species, conferences 5456.
```

food contamination, milk, conferences 5458. food contamination, packaging, beef 224.

B-lactam antibiotics, aminoglycoside antibiotics, synergism, therapeutic

Bacteria, (continued)
pollution indicators, removal, waste treatment methodology 2610.
polysacchandes, applications, industries, reviews 9200.
polysacchandes characterization, intertidal environment 7443.
population density, Fagus sylvatica directs soil 4142.
population levels, cell numbers, viability, population ecology, activated sludge
4440. Bacteria, (continued)
applications, ambicaterial activity, reviews 6091.
β-lactam antibiotics production, screening 4337.
β-lactam antibiotics resistance, genetic analysis, characterization 7883.
β-lactam antibiotics resistance, role, pencilian-binding protein, function, structure, reviews 6397.
β-lactamase activity, amoxycillin+clavulanic acid 3411.
β-lactamase activity, amoxycillin+clavulanic acid 3411.
β-lactamase inhibition analysis methodology, role, inhibitors, β-lactam antibiotics 5 101.
β-lactamase insolection focusing methodology, cellulose acetate membranes population levels, cell numbers, viability, population ecology, activated sludge 44440 population exposured propulations, South Africa Rep. plains 4217. post-harvest decay, corn, sulfur dioxide effects on 6836. post-harvest decay, ecology, Manihor seculenta 3102. post-parable infection, man, prophylaxis, laminar air flow 3497. production, fettly acids, use, mandarin orange peel, Japan 4260. propionic acid metabolism, kinetics, digestion (anaerobic) 8944. profemase, spoilage, off flavor, milk 4815. proteins determination methodology, rumen fluids, cattle 5408. pyrolysis, mass spectrometry, association, identification 3610. ration sturt, Cymodon dactylon, etiology 3009, rations sturt, effects on, Saccharum officinale, yield 2139. ration sturt, saccharum, disease control, heat treatments 9468. recombinants, batch culture, fermentation kinetics 1979. recovery, aminals, pleural fluid, sprovial fluid, media methodology 3609. relationship, phosphonates soil, New Zealand 1469. resorvery, aminals, pleural fluid, sprovial fluid, media methodology 3609. resorvery, media role, mice isolates 3546. resistance, antimicrobial agents, metals, ions, association, plasmids, reviews 8735. β-lactarmase inhibrition indoopenicillanate, bromopenicillanate 3404.
β-lactarmase, soelectric focusing methodology, cellulose acetate membranes 9038
β-lactarmase, isoelectric focusing methodology, cellulose acetate membranes 9038
β-lactarmase isolation, purification 4665.
lacts sediments, factors affecting methanogenesis 624.
leaching, oresidogy, Zazanis aquatica 5702.
leaching oresidogy, Zazanis 6702.
leaching ore resistance, antiseptics mechanisms 2408.
respiratory tract infection, bekanamycin treatment, man, antibacterial activity, 6186. respiratory tract infection, becausing the tractinent, man, anotacteria sciency of 186.

Rhizzolum japonicum antagonists 576 Gramineae mixtures 569, mizzoptam encroorganisms, incidence, Gramineae mixtures 569, mizzoptam encroorganisms, incidence, Gramineae excetation 9816.

Internation of the content of t seafood, Crassostrea virginica, Mercenaria campechiensis, storage effects on 4765.
seafood spoilage, detection, ethanol levels 8458.
seed-borne diseases, pathogenesis 2973.
seed-borne diseases, quality control assays 2968.
sewage, N-methyl-2-pyrolidone biodegradation 2017.
sewage sludge, public health, man 7192.
sevage sludge, public health, man 7192.
siderophores detection, electrophoresis methodology 8090.
single-cell protein production 7602.
soil, carbon sources, seeds germination exudates 551.
soil fauna association Zea mays 6941.
soil isolates, struvite precipitation 8710.
soil microorganisms association Glycine max, propachlor effects on 7862.
soil microorganisms, cold lolerance 9552.
soil microorganisms, cold lolerance 9552.
soil microorganisms, cold cold biodegradation 7563.
soil microorganisms, population for scanning electron microscopy 578.
soil microorganisms, population dynamics, mounds, isoptera, Kenya 8669.
soil microorganisms, population elvels, slash and burn 6822.
soil microorganisms, population elvels, slash and burn 6825.
soil microorganisms, population elvels, slash and burn 6826.
soil microorganisms, population elvels, slash and burn 6826. 4765 soil microorganisms, spopulation levels, slash and burn 9822. soil microorganisms, respiration, soils (loam), sterilization, storage, effects on 6977.
soil microorganisms, species diversity, biogeochemistry, USSR 2347.
soil microorganisms, species diversity, biogeochemistry, USSR 2347.
soil microorganisms, species diversity, soil profiles 2350.
soil, ntrogen fixation, USSR 2361.
soil, propulation dynamics, soil analysis, methodology 4224.
soil, straw bodegradation, phytotoxicity 8419.
species diversity, soil, Pahokee muck, respiration, community structure, enginetic activity, population density, environmental conditions 5912.
species diversity, soil, Pahokee muck, respiration, community structure, enginetic activity, population density, environmental conditions 5912.
spoilage, distinfection industrial water species of the species 5321.
spoilage, float contamination, packaging, seasod 2335.
spoilage, milk, pasteurization, refregeration 2913.
spoilage, milk, pasteurization, refregeration 2913.
spoilage, seafood, chlorotetracycline+sodium chloride treatment effects on 2922.
spoilage, species of the spec on 6977 organic compounds decomposition, wastewater treatment, activated carbon filters 8956.

organic compounds mineralization, freshwater environments, sewage 2012.

organic matter biodegradation, hydrogen intermediates 2011.

organic matter biodegradation, program intermediates 2011.

organic matter turnover, soil 5096.

outler membranes phospholipase role, drugs antibacterial activity 8783.

oxidase-positive, clinical isolates, identification, API test, Oxi Ferm tube test, Minited test 9019.

parathion biodegradation, rhizosphere microorganisms, Oryza sativa 2897.

parathion prodropiss, soil 155.

pathogens antibacterial activity, EDTA+Tris: antibiotics 7080.

pathogens, contamination, houses 4500.

pathogens, contamination, neuses 4500.

pathogens, soilation, sewage sludge 6248.

PCB biodegradation, rivers sediments isolates 8421.

pencillin-binding protein, affinity ceffazidine, antibacterial activity 2457.

pencildin-binding protein, affinity ceffazidine, antibacterial activity 2457.

pencidontal diseases, incidence, plants, vectors, USA, California 8531.

Pierce's disease, ration struit, immunofluoresconce, detection plant diseases 320.

Pierce's disease, will seedings, Citrus jambhini 392.

Pierce's disease, will seedings, Citrus jambhini 392.

Pierce's disease, villa redefining, Citrus jambhini 392.

plant diseasesses, conferences 7280.

plant diseasesses, conferences 7280.

```
Microbiology Abstracts A vol. 1

Incomposition of the Contraction, computer applications 8697.

Incomposition of the Contraction, computer applications 8697.

Incomposition of the Contraction of the Cont
teria, (continued)

xonomy (numerical), computer applications 9887,
imperature effects on iron oxidation, rivers contamination, mines waste water
15134.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mycobacterium avium-intracellulare, sulfadimethoxine, kitasamycin 7912. 
ntrification inhibitors 2405 
soil 3179.
```

Bark, (continued)
composts, inhibition soil-borne diseases, plants 3122.
Fagus grandifota, Deuteromycetes fungal flora 1438.
necrosis. Acer pseudoplatanus, Nectria coccinea, Diplodina acerina, pathogenesis Bacteroides meianinogenicus antibacterial activity, moxalactam 5270. penicillin resistance 4272. subsp.tntermedius, survival, swabs transport system, temperature association subsp.intermedius, surival, swabs transport system, temperature ass 6334.

Becterolides melaninogenicus subsp.asaccharolyticus, antibiotic 1-640,875 antibiacterial activity 4426.

Bacterolides melaninogenicus subsp.intermedius, phenyiacetic acid, production, gas chromatography 5482.

Bacterolides mycoides, antibiacterial activity, derivatives, carminomycin, rubomycin 2592.

Bacterolides mycoides, activity, purification, characterization 6466.

Bacterolides ovatus, biodegradation, 172.

Bacterolides polypragmatus, fermentation, lactose 2864.

Bacterolides auccinogenes, carbohydrates effects on cellulose digestion 8425. cellulase activity, purification, characterization 8244. rumen microorganisms, avoparcin effects on growth 8035.

Bacterolides thefalotacomicron, antibiotic sensitivity testing, cephalosporins 7136.

J-lactamase, role, antibiotic resistance, purification, characterization 4594, proteoglycan digestion 3792. 5071 is, Gnomonia platanı, Cylindrocarpon heteronema, Platanus 6920. Bariey, ochratoxin A biosynthesis, Aspergillus ochraceus, Penicillium viridicatum 1102. post-harvest decay, storage, long-term effects, microoqanisms 1321. storage, factors affecting, fung disease control 7724. Bariey stripe mosaic virus, detection, immunodiffusion, enzyme-linked immunosorbent assay, Hordeum vulgare detection, immunodiffusion, enzyme-linked immunosorbent assay, Hordeum vulgare disease transmission, Avena fatua, Hordeum 3002.

Hordeum vulgare, infection, association, protein composition 6779.

seed-borne diseases, detection, enzyme-linked immunosorbent assay 7219.

virions aggregation, immunoelectrophoresis 3543.

Barley yellow dwarf virus,
Aphriddae, disease transmission, Triticum aestivum 9340.

Aphriddae, disease transmission, Triticum aestivum 445.

disease sistance, plant breeding, Triticum aestivum 445.

disease spread, vascular system, Triticum aestivum 445.

disease spread, vascular system, Triticum aestivum, Avena sativa 9342.

disease spread, vascular system, Triticum aestivum, Avena sativa 9342.

disease spread, vascular system, Triticum aestivum, Avena sativa 9342.

disease storerance, Triticum aestivum 365.

disease transmission, vectors, Aphididae, Hordeum vulgare 9341.

enzyme-linked immunosorbent assay, antisera production, rabbits 5297.

enzyme-linked immunosorbent assay, antisera production, rabbits 5297.

enzyme-linked immunosorbent assay, antisera production, rabbits 5297.

enzyme-linked immunosorbent assay, indisera production, role, Schizaphis graminum, Rhopalosphum padi, USA, Missoun 1164.

Gramineae disease reservoirs, USA, Indiana 1154.

Gramineae disease reservoirs, USA, Indiana 1154.

Gramineae disease reservoirs, USA, Indiana 1154.

Gramineae host range 1155.

Infection, effects on overwinteness, cold hardiness, Triticum aestivum 9343.

Infection, -Stobion avenae honeydew effects on (Cadesporium infection pathogenicity, Hordeum vulgare, Triticum aestivum 3934.

infection, -Stobion avenae honeydew effects on (Cadesporium infection pathogenicity, Hordeum vulgare, Triticum aestivum 3934.

infection, -Stobion avenae honeydew effects on (Cadesporium infection pathogenicity, Hordeum vulgare, Triticum aestivum 3934.

infection, -Stobion avenae honeydew effects on (Cadesporium infection pathogenicity, Hordeum vulgare, Cadesporium aestivum, Puccinia hordei, Hordeum vulgare, Puccinia coronata f.sp. avenae, Avena sativa, patholog 4594.

Bacteroides uniformis, clinical isolates, incubation, anaerobic environments 2680.

Bacteroides vulgatus, placements 2680.

Bacteroides vulgatus, placements properties of the placement o 4594 Bacteroids Bacteroids, nitrogen fixation, ammonia assimilation, nodules, Trigonella foenum-graecum 3242, nitrogen-15 distribution, Rhizobium nitrogen fixation, Leguminosae 9615. Rhizobium lupini, lipopolysacharides, lipid composition, carbohydrate composition 9188. Rhizobium trifolii, scanning electron microscopy, nodules, Trifollum repens 8676. structure, Rhizobium, nodules, nitrogen fixation, Medicago sativa 9613. valority, Rhizobium, Pisum sativum, Lupinus, Trifolium, Clianthus puniceus 7860. Bactobolin, production, Pseudomonas yoshitomiensis, antitumor antibiotics, culture conditions 8347. strains, transmission interference, Sitobion avenae 6749. Barley yellow mosaic virus, disease transmission, Hordeum vulgare 5729. Bacturcult. Bactureur, drug sensitivity testing, urinary tract clinical isolates 6114. Bacuchiol, antiviral activity, effects on infectivity, tobacco mosaic virus 1386. Baculovirus, Basal rot,
Onza sativa nodes, Fusarium oxysporum, pathogenicity 3951.
Base composition,
DNA, electrophoresis, bacteria 7254.
Basidalin, activorrus, biological control, Heliothis virescens, larvae 4719. pathogenicity, Bombyx mori, nontarget organisms, biological control 9207. pest control, biological control, Lepidoptera 998. pest control, biological control, persistence, Insecta 1005. DNA, electrophoresis, bacteria 7254.

Basidalin, biosynthesis, Leucoagricus naucina, physicochemical properties 6219.

Basidiobolus, identification, enzymes, API test 899.

Basidiomycetes, artimicrobial activity, bacteria, fungi 2496. biodegradation, USA mines forest products 7792. biosynthesis, aroma compounds 3727, biosynthesis, aroma compounds 1172. biosynthesis, aroma compounds 1172. biosynthesis, aroma compounds 1172, biosynthesis, aroma 1172, b agasse, alkaline, Trichoderma reesei cellulase activity association, relationship, alkaline, Trichoderma reesei cellulase activity association, relationship, crystallinity 8312. bioreactors, Trichoderma reesei cellulase, hydrolysis 9152. cellulomonas biodegradation 3793. fermentation, Aspergillus terreus, biosynthesis, cellulase, single-cell protein 1826. hydrolysis, cellulase, Trichoderma reesei 7430. metabolism, Aspergillus terreus, cellulase, single-cell protein biosynthesis 3662.

3662.

post-harvest decay, fungi, storage time effects on 5030.
pretreatment, γ radiation, sodium hydroxide, celiulase production,
Trichoderma reesei 8449.

Saccharum, composts production, microorganiams decomposition activity 7560.

Saccharum officinale, production, ethanol, yeasts 5571.

sugarcane, cellulolytic bacteria growth, proteins products nutritive value 9287.

Zymononas mobils, isolation methodology 6638. Zymoniorius Incumo, successorius de Batts, viruses, pathogens, pest control, biological control, Insecta 990. Bakery products, production, enzymes use, USSR 6677. production, enzymes use, USSR 6677. production, enzymes use, usern os/r.

properties, reliationship, Triticum aestivum Neovossia indica, bunt 5708, yeasts, food contamination, water effects on antimicrobial agents 240.

Baking,
yeasts processing, storage, physicochemical properties 5621. Bamboo, substrates, Saccharomyces ethanol production 9225. substrates, saccharum, see substrates, saccharum, see supplies physical Bambousa arundinaces, mosaic disease, potyvirus 5705.

Banara mosaic virus, disease transmission, Aphis gossypii, Musa sapientum 3069.

Banaras, Ba agents Saco.

Solvjasccharides, antitumour activity, mice 7453.

Single-cell protein, amino acid composition, chemical composition, physiocohemical properties, toxicity testing, animal models 9113.

Spatial distribution, decomposition, wood, Fagus sylvatica, Querous robur 5860. Bortyodiplodia theobromae rot, post-harvest decay, fungicides control 5804, post-harvest decay, fungi diseases 1328.

Bangladesh, children, disease transmission, role, Eschenchia coli food contamination 4847.

man, shigellosis, disease spread, hand washing effects on 5356.

Banksia. spatial usinguition, decomposition, wood, Pagus syrvanca, Quercus roour wood decay 3788. asidioapores, Cronartium flaccidum, spore germination, association, Pinus nigra, Pinus sylvestris, leaves 4154.

man, si Banksia, Gymnosporangium fuscum, spore germination, haustoria, penetration, Vitis vinifera 1284. Sclerotium rolfsii, role, pathogenesis, blight, Agrostis tenuis 9339. Bankisia, susceptibility, Phytophthora cinnamomi, infection 8592.

Bankisia grandis, soils (podzolic), effects on, Phytophthora cinnamomi, zoospores, pathogenesis, deback 5850.

Bankisia integrifolia, berries oils composition, effects on wine flavor, yeasts alcoholic fermentation Scientium rolfali, role, pathogenesis, blight, Agrostis tenuis 9339.

Batch culture,
bacteria, growth, mathematical models 6132.

bacteria recombinants, fermentation kinetics 1979.

com fermentation, ethanol biosynthesis, bacteria 134.

fermenters, yeasts, oxygen application 5442.

growth kinetics, mathematical models 9931.

Lipomyces starkeyl, computer applications, lipids production 7496.

methodology, Inchoderma reseal, cellulase, production, comparison 9068.

microorganisms, antibiotics biosynthesis 716.

phosphate, Eschenchia coli 678.

Psaudomonas fluorescens, growth, enzymes production, oxygen tension 108.

Psaudomonas fluorescens, growth, enzymes production, oxygen tension 108.

Saccharomyces cerevisiae, quality control, population dynamics 3818.

6639

Berbarea vulgaria, plant diseases, Spiroplasma citri, disease transmission, Macrosteles fascifrons

Barberis vulgaris, eradication, USA, disease control, Triticum stem rust pathogens 1389

Canarium schweinfurthii, biodegradation, thermophilic fungi 550.

atch culture, (continued) Streptomyces fradiae, tylosin, production, glucose, monosodium glutamate, stimulation 4425. Streptomyces griseus, phosphates nutrient deficiencies streptomycin production Vibrio cholerae, factors affecting, growth, fermenters 2706 sterilization, canning, tomatoes juices 262.
water-borne diseases, otitis externa, Pseudomonas aeruginosa, man 8070. Bavistin. effects on, Cercospora leafspot, Arachis hypogaea 4119.

BAY 09867,
quinolines derivatives, antibacterial activity, bacteria, clinical isolates 5171. disease control, fungi, plant diseases, Malus pumila 1421, disease control, Venturia pinna, scab, Pyrus communis 1395. Saytan, disease control, white rot, Coriolus versicolor, pruning wounds, Malus pumila BCG stability, freeze drying 6239 saches fungi, counting methods 9071. pollution indicators, sewage, urease activity 3180. eads,
Desulphovibrio desulphuncans, immobilized cells, cytochrome C3 hydrogenase eans, food contamination, growth, Bacillus cereus, Clostridium perfringens 219. sprouting, food contamination, Salmonella, fungi 3831. Theobroma cacao, fermentation, thermophilic fungi post-harvest decay 8601. spores, biological control, eggs, larvae, Epitrix 985. toxics, toxicity, biological control, Epitrix 1106. Seauverla bassiana, clays, coatings, role, survival, soil 7816. conidia, foliar application, Solanum tuberosum leaves, pathogenicity, Leptinotarsa decemineata, bioassays, biological control 7482. growth, liquid culture, nutrient sources, carbohydrates 4535. media (selective), dodine 3631. heauverla suffurescens, ketones reduction 130. contamination sources, spore-forming bacteria, milk 4812. hospitals, bacteria contamination 1731. straw, mycotoxins isolation, Stachybotrys atra, toxicity, sheep 4897. adattoris, hot-boning, bacteria contamination, cold storage 244.
bacteria, food contamination, temperature effects on 241.
carcasses, chiling effects on bacteria enumeration 8476.
carcasses, cleaning systems, sanitation 808.
cooking, bacteria survival 210.
electrical stimulation, bacteria, food contamination 185.
fats, microflora, chemical composition 7573.
food contamination, salmonellosis, man, epidemiology, plasmids characterization 8472.

food quality, heat treatments, effects on, bacteria, reviews 8488.

isolation, phages, Brocothrix thermosphacta, characterization 7568.

liver, tongue, bacteria growth, packaging, cold storage 267.

inriced meat, lood contamination, Alteromonas putrefaciens, Pseudomonas putrefaciens 3841.

packaging, bacteria, growth, contamination 265.

packaging, Isod contamination, bacteria 224.

Salmonella control, radiation treatment, reviews 8481.

Salmonella control, radiation treatment, reviews 8481.

survival, Campylobacter fetus subsp.jejuni, Campylobacter fetus subsp. instestinalis, pht. temperature, effects on 217.

tissues damage, bacteria contamination, organoleptic evaluation 181.

vacuum packaging, oxygen barriers films, bacteria food contamination 261.

vacuum packaging, spollage, spollage, Enterobacteriaceae 5638. 8472 Vacuum packagung de Cert, affatoxins contamination 2937.
contamination, Penicillium crustosum alkaloids mycotoxins production 8503. fermentation, dimethyl suffice role 8405. fermentation, genetic engineering, yeasts 2859. fermentation, mmobilized cells, yeasts 3745. fermentation, veasts, measurements 6636. fermentation, yeasts, reviews 3746. filtration, yeasts counting methods, fluorescence 2869. flavor, yeasts fermentation 2862. maturation, Enterobacter aerogenes acetolactate decarboxylase use 136. Saccharomyces carlsbergensis proteinase, immunoassays 7322.

.

Zymomonas, media (isolation) 1992
Beet curly top virus,
infection, Amoracia rusticana 1313.
Beet mild yellowing virus, Beta vulgaris leaves extracts, detection, enzyme-linked immunosorbent assay 3527. disease control, deltamethrin, disease transmission, Myzus persicae, Beta vulgaris 467 transmission (seed), Beta vulgaris 8586. Beet mosaic virus, infection, pollen germination, Beta vulgaris 2163. Infection, pollen germination, Beta vulgans 2155.

Beet necroit yellow veln virus,
vectors, Polymyxa betae ultrastructure, Beta vulgans soil-borne diseases 363.

Beet western yellows virus,
infection, Beta vulgans, Brassica 2176.
leaf-roil, Solanum tuberosum, etiology 5796. Beet yellow stunt virus, detection, Sonchus oleraceus phioem, pathogenesis 4036. Detection, Sonchus oleraceus philoem, pathogenesis 4036.

Beet yellows virus,
Beta vulgaris leaves extracts, detection, enzyme-linked immunosorbent assay 3527.

disease control, deitamethrin, disease transmission, Myzus persicae, Beta
vulgans 467. disease resistance, plant breeding, Beta vulgaris 2244 disease transmission, alarm pheromone derivatives, effects on, Myzus persicae 3108 infection, Cichorium endivia, Lactuca sativa, Cucumis sativus, disease transmission, Trialeurodes vaporariorum 9431. infection, double-stranded RNA isolation, plants 2981. Desulphovbrio desulphuncans, immobilized cells, cytochrome C3 hydrogenase activity 4666.
Penicillium chrysogenum mycelia morphology association 9985.
Bean common moseic virus, infection, pathogenicity, lesions, assays, use, Phaseolus vulgaris 8542. infection, phaseolus vulgaris, epidemiology, USA 5690.
mosaic disease, Phaseolus vulgaris disease resistance 5815.
phaseolus vulgaris, pathology 2986.
mosaic disease, Phaseolus vulgaris disease resistance 5815.
phaseolus vulgaris, pathology 2986.
see-borne diseases, detection, enzyme-linked immunosorbent assay 7219.
Bean pod mottle virus,
detection, enzyme-linked immunosorbent assay 7219.
Bean pod mottle virus,
infection, Glycine max, seed-borne diseases, epidemiology 2984.
Infection, Glycine max, soybean mosaic virus, enhancement 5841.
Transmission, Vigna unguiculata, role, Coleoptera regurgitation factors 673.
Bean yellow mosaic virus,
disease transmission, Myzus persicae, Acyrthosiphon pisum, Pisum sativum
infection, Gladiolus 3075.
Infection, Claidolus 3075.
Infection, Vicia faba, incidence, host range, disease transmission, antigenic characteristics 1128.
mixed infection, covered section, devaluation, destal production, plasmids association 5144, introgen fixation, phylosphere 9590.
Infection, Dilance of RNA isolation, plasmids association 5144, infection, glides foliar applications, antifungal activity 1393.
Bean yellow mosaic virus, enhancement 5841.
Bean of morticity in the production of the pr hydrocarbons biodegradation, plasmids association 5144. hydrocarbons biodegradation, plasmids association 5144. https://doi.org/10.1006/science/scienc Dutch elm disease distribution, relationship, Ulmus sensitivity, Ophiostoma ulmi Dutch elm disease history surveys 5078.
Erwinia amylovora isolation, Rosaceae, characterization 419.
Gramineae, distribution Xanthomonas campestris infection 362.
Bemilala tabaci, disease transmission, mung bean yellow mosaic virus, Thailand 6813. disease transmission, virus-like particles, Gossypium hirsulum, sida alba 2199 transmission, cowpea mild mottle virus infection, Giycine max, symptoms 1129, vectors, cowpea mild mottle virus infection, Giycine max, symptoms 1129, vectors, cowpea mottle virus transmission, Arachis hypogaea, Glycine max 4946. vectors, soybean crinkle leaf virus infection, Glycine max, disease transmission Benz(a)anthracene biodegradation, composting 2875. metabolites, Actinomyces biosynthesis 2822. metabolites, Actionmyces biosynthesis 28 Beneckee gazogenes, cycloprodigiosin structure 8377. Benincasa hispida, fruit rot, pathogenesis 3099. Bentowskia spheevolides, biight, pathology, Setaria geniculata 1184. Benodanii, antifungal activity, fungi, soil isolates 2286. disease control, Rhizoctonia solani, stem canker, black scurf, Solanum tuberosum media (selective), soil, fungi 1404. Jenomyl, antifungal activity, Colletotrichum glycine, Colletotrichum musae, Colletotrichum ofematiums var.truncata 2285.
antifungal activity, inhibition cutinase, Fusarium solani f.sp.pisi 1414.
antifungal activity, tolerance, Trichoderma vinde 3154.
antifungal activity, Verticillium dahilae 1412.
+-captan treatment, Asparagus officnalis storage 4121.
disease cantrol, Rhizoctonia solani, web blight, Glycine max 5059.
disease control, blight, Nectria cinnabarina, Malus pumila 4120.
disease control, blight, Nectria cinnabarina, Malus pumila 4120.
disease control, blight, Nervis communis 9373.
disease control, Gaeumannomyces graminis var.tritici, take-all, Triticum aestivum 507. 507 507.
disease control, leafspot, Apium graveolens 4098.
disease control, orchards, Malus 6874.
disease control, post-harvest decay, guavas 6832.
disease control, powdery mildew. Vigna radiata 1433.
disease control, Rosa canker 1410.
drug resistance, pathogens, Mangifera indica 1532.
drug resistance. Venturia inaequalis, characterization 7051.
effects on Altermaria panax blight, Brassala actinophylla, Schefflera arboricola 6882 effects on, growth rate, Monilinia fructicola 1413. Entomophthoraceae infection, Aphis fabae, effects on 489. Ioliar applications, Begonia, powdery milidew, antifungal activity 1393. foliar applications, disease control, Citrus paridis greasy spot 5834. foliar applications, disease control, Glycine max 5060. + guazatine, use, control, post-harvest decay, fungi, cantaloupes 6835. ± heat treatments, seed treatments, Fusarium moniliforme elimination, corn 5845 + nitrate+ calcium oxide, integrated control, Fusarium oxysporum f.sp.lycopersici, witt, Lycopersicon esculentum 4108

Beer, (continued)

Beta vulgaria, (continued)
crop rotation, insecticides, herbicides, effects on, fungi, soil 618.
damping-off, Pythium utimum, inhibition, Agrobacterium radiobacter
Polysacchandes seed treatments 7710.
dyes, purification, fermentation, Aspergillus niger, Saccharomyces oviformis
7470. Benomyl, (continued)

+ nitrate, + calcium oxide, integrated control, Fusarium oxysporum
f.sp.lycopersic, wilt, Lycopersicon esculentum 4107.
paddy fields soil, effects on nitrogen fixation, heterotrophic bacteria 619.

+ potassium sorbate, disease control, fruir rot, Ficus carica 1396.
resistance, Botrylis cinerea 1531.
resistance, genes, Ventruir inaequalis 5152.
resistance, Monlinia fructicola, blossom blight, disease control, Prunus persica 7470.
dyes, purification, use, fungi 9086.
genetic analysis, disease resistance, Erysiphe polygoni, powdery mildew 4096.
leaves extracts, detection, beet yellows virus, beet mild yellowing virus,
enzyme-linked immunosorbent assay 3527.
measuring techniques, Cercospora beticola, benzimidazoles resistance 7889.
plant breeding, disease resistance, beet yellows virus 2244.
pollen germination, beet mosaic virus, beet yellows virus infection effects on
2163 5835.

Tesistance, Monilinia, measuring techniques, media 7887.
resistance, Prunus persica, Monilinia fructicola infection, comparison treatment, capital procession of the comparison of the capital procession of the capital processi 5835 powdery mildew, downy mildew 2217. powdery mildew, Erysiphe polygoni, sulfur foliar applications disease control 5823 Pythium aphanidermatium inoculum density, crop fields, irrigation, USA, Arizona 426. Pythium rot, biological control, Enterobacter cloacae seed treatments 9481. Rhizoctoria ademboldi infection, phytoalexins formation 2260. roto, crown rot, Thanatephorus cucumeris virulence 5008. rot rot, disease control, sulfur 3157. trabean leaf crinkle virus infection, Vigna radiata, effects on disease transmission 3152.

stransmission 3152.

stransmission 3152.

Sentonite, enterovirus immobilization, bacteria contamination, ethanol bactericidal activity enterovirus immobilization, bacteria contamination, ethanol bactericidal activity enterovirus immobilization, bacteria contamination, ethanol bactericidal activity enterovirus immobilization, pageous solutions 5253.

Senzaldehyde, association, ampicillin stabilization, aqueous solutions 5253.

conversion, benzyl alcohol production, Rhodotorula mucilaginosa immobilized college.

Senzaldehyde, association, ampicillin stabilization, aqueous solutions 5253.

Senzaldehyde, association, ampicillin stabilization, aqueous solutions 5253.

Senzaldehyde, association, ampicillin stabilization, aqueous solutions 5253.

Senzaldehyde, association, ampicillin stabilization, approduction, Rhodotorula mucilaginosa immobilized cells infection, Innontus obliques, pathogenesis 1450.

Senzaldehyde, association, ampicillin stabilization, apueous solutions 5253.

Senzaldehyde, association, apu 8440. oxidation, Hyphomicrobium, characterization 2007. Benzalkonium chloride, disinfectants aerosols, airborne microorganisms 5346. +oxaciliin, binding heart prosthetics, prophylaxis, postoperative infection, dogs 5343. Detuia periodia, seedings, impcorrhizas inoculation 5857.

Betula pubeacens, seedings, impcorrhizas inoculation 5857.

Beverage industry, heat exchange cleaning systems, bacteria contamination 4784. 5343
Benzene, biodegradation, soil microorganisms 6952.
Benzenedithlola, antifungal activity 2473.
Benzenhoritum chloride, antifungal activity 2473.
Benzenhoritum chloride, antifungal activity, in vivo, in vitro 6041. mouthwashes, effects on dental plaque formation, man 8989.
Benzimidazole, antifungal activity, Ceratocystis fimbriata fi sp. platani 694. derivatives, antiviral activity, tomato mosaic virus 7951. derivatives, ceratocystis ulmi Dutch elim disease prophylaxis, Ulmus americana 1458. derivatives, plants disease control. Rhizoctonia 490. neat exchange cleaning systems, bacteria contamination 4764. **Beverages**,
production, enzymes use, USSR 6677
sweeteners, a-L-aspartyl-l-phenylalanine methylester, organoleptic
evaluation, spoilage 3803. BGM cells, Chlamydia trachomatis growth 3601. BHK cells, s virus vaccines production 7190. BHK-21 cells, pseudorables virus infection, antiviral activity, 9-(2-hydroxyethoxymethyl)guanine+amphotericin B 3351. 1458. derivatives, plants disease control, Rhizoctonia 490. effects on Melampsora larici-populina growth, leaves culture, Populus 6880. sensitivity, Penicillium digitatum, association spoilage synergism, oranges 1318. Benzimidazoles, biosynthesis, Streptomyces hygroscopicus mutants, phosphinic acid derivatives biosynthesis, Streptomyces hygroscopicus induans, prospinine acid denivative roles 4570. biosynthesis, Streptomyces hygroscopicus, protoplasts, cell fusion 9781. Streptomyces hygroscopicus, biosynthesis 3716. Streptomyces hygroscopicus, biosynthesis, carbon+phosphorus bonds 2824. antifungal activity, structure-activity relationships 4104. resistance, Cercospora beticola, measuring techniques, in vitro, Beta vulgaris 7889 Bibenzyls,
Bletilla striata, antibacterial activity 7079. 7889.
Tesistance, Venturia inaequalis 4269.
Benzolc acid,
denvatives, Aspergillus niger biodegradation 6649.
inhibition, trimethylamine-N-oxide reductase, Escherichia coli 269.
production, Malus pumila fruits, disease resistance, Nectria galligena 4081.
yeasts sensitivity 7093.
Benzothlazoles,
antifungal activity, structure-activity relationships 4104.
Benzothlophenes,
biodegradation, hydrocarbon-degrading bacteria, oil dispersants effects on 8717.
Benzovalphohenes,
biodegradation, hydrocarbon-degrading bacteria, oil dispersants effects on 8717.
Benzovalperoxide,
antifungal activity, structure-activity relationships 4104.
Benzoval peroxide,
antifungal activity, antifungal activity 7064.
Benzoval peroxide,
antibucterial activity, activity relationships 4104.
Benzoval peroxide,
antibucterial activity, antifungal activity 7064.
Biolographies.
Coal, industrial sties, indust stance, Venturia inaequalis 4269. Bibliographies, coal, industrial sites, industrial effluents 1699 ibliographies, coal, industrial sites, industrial effluents 1699. disinfection, waste water, microbiology, methodology 1698. disposal, treatment, sludges 1697. petroleum, industrial sites, industrial wastes, environmental effects 2609. pulp mills, industrial effluents, wastewater treatment, environmental effects 2609. 2608. spoilage, fruits, nuts, microscopy 5034. waste water, soil amendment, agricultural practices, microbiology 2607. Wastewater treatment, industrial effluents, dairy industry 1695. wastewater treatment, industrial effluents, fermentation 1694. wastewater treatment, mutustrial effluents, textile industry 1696. wastewater treatment, microbiology 5309. wastewater treatment, microbiology 5309. wastewater treatment, water quality, microbiology, environmental effects 2606. Biozamycin, nitibacterial activity, Enterobacteriaceae 9636. production, benzaldehyde conversion, Rhodotorula mucliaginosa immobi 8440.

Benzyl viologen, inactivation glutamine synthetase, Azotobacter chroococcum 1868.

N-Benzyldithiocarbamic acid, derivatives, antifungal acidivity 9678.

Benzylpenicillin, antibacterial activity, Staphylococcus, clinical isolates 8804. antibacterial activity, Staphylococcus, clinical isolates 8804. antibiotic resistance, Escherichia coli, unnary tract clinical isolates 7034. +ethonium, antibacterial activity, bacteria 1558. Methanobacillus kuzneceovii, effects on methane formation 2551. production, water, burlylacetate effects on 7148. synergism, bile acids, antibacterial activity, Staphylococcus 1618. Berberline, sulfate, antifungal activity 7928. antibacterial activity 2995.

Bildens pilose,
tissue culture, 1-phenylhepta-1,3,5-triyne accumulation, Pythium aphanidermatum
culture fitrates 5754.

Bifldobacterium, antiblote sensitivity testing, antibiotic resistance 8724, counting methods, dairy products, pharmaceuticals, 175. Biflobacterium bifldum, isolation, cells, methodology, 8130. media (culture), methodology, isolation, mutants 8133. Bitonazole, antifungal activity, dermatophyte fungi, yeasts 7938. antitungai acuvity, oermatopriyte rungi, yeasts 75.00.
Big yein disease,
lettuce big yein virus, methyl bromide, carbendazim, disease control, Lactuca
sativa 6889
sativa 6889
don'vatives, denaturation β-lactamase, Staphylococcus aureus 3702. Berberis, taxonomy, rust, Cumminsiella 423. Banksia integrifolia, oils composition effects on wine flavor, yeasts alcoholic fermentation 6639. tolerance, Streptococcus agalactiae 5399. Blie acids, analogs effects on enkephalin hydrolysis, Pseudomonas, Chromobacterium violaceum, erzymatic activity 7551. Steptomyces, synthesis 8389. bioassays, bacteria, luciferase+3\(\alpha\)-hydroxysteroid dehydrogenase 9020.
bioassays, Psaudomonas testosteroni 3\(\alpha\)-hydroxysteroid dehydrogenase, yeasts, alcohol dehydrogenase, (Clostridium luluyerii dihydrolipoamide reductase (NAD+) Beta. 4504:

catabolism, Pseudomonas, Actinomycetes 149.

conversion, fungi 3798.

Eubacterium lentum, biodegradation 5576.

hydroxylation, anaerobic bacteria 2892.

resistance, Staphylococcus aureus, association antibiotics sensitivity 2406.

synergism, benzylpenicillin, furagin, antibacterial activity, Staphylococcus 1618.

plant breeding, disease resistance, root rot, Erwinia 1376.

le salts,
effects on recovery, Yersinia enterocolitica 672.
murla novee-zelandiae,
mycornizas, roots colonization, seasonal variations, Trifolium repens 554.
loaccumulation,
cadmium, microorganisms, pollution effects 794. Biodegradation, (continued) fertilizers effects on 5982 etertuizers eriects on 1982 cellulose, Oligosaccharides structure 4674, cellulose, Chaetomium cellulolyticum, biomass production 5592. cellulose, Clostndium thermocellum, comparison, mesophilic bacteria, sugar product cellulose, Clostndium thermocellum, comparison, mesophilic bacteria, sugar production 9251.
cellulose, Penicillium funiculosum, rheology 166.
cellulose, Phanerochaete chrysosporium, nitrogen sources effects on 3770.
cellulose, soil, measuring techniques 1058.
cellulose, soil, measuring techniques 1058.
cellulose, wood, fung effects on cellulolytic microorganisms 2005.
characterization, p-coumary alcohol, Aspergillus flavus 164.
chloridazon, thiosuitate sulfurtransferase, bacteria 156.
chlosterol, Nocardia, media (culture) effects on 2893.
cotton, pretreatment, ozone, sodium hydroxide, carbohydrate-degrading bacteria, rumen microorganisms 1062.
crop residues. Oryza sativa, mesophilic microorganisms 168.
cuth, soil microorganisms 5931
cycloheptanone, Nocardia 2014.
2-4-D. glucose association, microorganisms 9266.
2-4-D. glucose association, microorganisms 9266.
2-4-D. glucose sativation, bacteria, soil 7809.
defective mutant, Sacrioa albida, serine, production 6382.
detergents, Pseudomonas fluorescens 2874.
12, 14-dichlorodehydroabetic acid, Mortierella isabellina 6657.
dichlorvos, Pseudomonas 5584.
dyes, anaerobic conditions 8423.
ethanedio, Penicillium simplicasimum 167.
Eucalyptus leaf litter, relative humidity, substrates water content effects on 152.
explosives, industrial wastes, reviews 5578.
explosives, industrial wastes, reviews 5578. cadmium, microorganisms, pollution effects 794.

Oasasays,
alfatoxins, use Lilium longiflorum pollen 5641.

antibiotics antibacteria factivity, media (culture) 7972.

Bacillus subtilis scoria, place and place and place antibiotics antibiotics antibiotics, milk 721.

Bacillus subtilis exoria, place antibiotics, milk 721.

Bacillus subtilis exoria, place antibiotics and agents, urine 9708.

bacteria, hydrogenase, activity projects 3599.

bacteria proteinase, screening projects 3599.

bile acids, bacteria, lucifera, 3-chydroxysteroid dehydrogenase 9020.

bile acids, Pseudomonas testosteroni 3c-hydroxysteroid dehydrogenase, yeasts alcohol dehydrogenase, Clostridium kluyveni dihydrolipoamide reductase (NAD+)

4504. colorimetry, quantitation, defective-interfering particles, respiratory syncytial virus 7230. VITUS 723U.

Corynebacterium, detection staphylococcin 6224.
detection, chitin, rust, fungi, Leguminosae 6737.
detection, mycotoxins, fungi, food 2393.
detection, Verticillium dahliae, tissues. Solanum tuberosum, disease resistance selectuon, Verticilium dahilae, tissues, Solanum tuberosum, disease resistance 9083.
Enterobacter xanthine oxidase, phosphorus 5413.
Escherichia coli, acetyl-CoA, aminoglycoside antibiotics purification 3415.
folic acid, cyanocoloalmin, serum levels, man, Lactobacillus leichmannii use 885.
gentamion, cefotaxime 4369.
Feliciliamion, cefotaxime 4369.
Feliciliamion 4569.
Fel leaves 324.

Phytophthora cinnamomi, soil distribution, plant diseases 539.
root rot incidence, USA, Wisconsin 3923.
thin-layer chromatography, B-D-glucosidase, activity, use, Penicillium expansum 7270. 7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

7270.

72 688.

698.

phytotoxins, isolation, Pythium aphanidermatum, characterization 1098. virtuses, isolation, reservoirs, physicochemical properties 795.

lochemical characteristics, antibiotics effects on 1596.
gram-negative bacteria, identification, API test, blood culture 839.

Saccharomyces cerevisiae, Candida valida, fermentation, alcoholic beverages 243. solis (loam), enzymes 562.

lochemical oxygen demand, determination, organic chemicals, inocultum, carbon sources, nitrogen sources effects on 9802.

locides, antifungal activity, Fusarium oxysporum 5973. cooling towers, antimicrobial activity, Legionelia pneumophila 5221. poly(hexamethylene biguanide hydrogen chloride), use food industry 2450. 4-quinolinois, 5,6,7.8-tetrahydro-4-quinolinois, synthesis 5224. 4-quinolinots, 5,6,7.8-tetrahydro-4-quinolinots, synthesis 5224.
lodegradation,
Acer pseudoplatanus, Nectria cinnabarina, Calosporella innesii, Eutypa acharii, ecological distribution 4181.
Alcaligenes faecalis, 3-cyclohexencarboxylic acid 1053.
altylbenzene sulfonates, microorganisms, association, aromatic compounds 1997.
p-aminoezobenzene, Bacillus subtilis 2006.
6-aminohexanoic acid, bacteria 3783.
anaerobic bacteria, cyanuric acid, cysteine, atrazine 2900.
aniline, Rhodococcus 7556.
aphidicolin, microorganisms 4752.
aromatic compounds, catechol, Phanerochaete chrysosporium 7544.
aromatic compounds, catechol, Phanerochaete chrysosporium 7544.
aromatic compounds, seatsst, heterotrophic bacteria, isolates, mangrove swamps sediments 9253.
arylglycorel-p-synipgaresinol ethers, mechanisms, lignin models, Fusarium arylglycerol-p-syringaresinol ethers, mechanisms, lignin models, Fusarium solani 6651. solani 6851.
Asparejillus niger, phenoxyacetic acid, benzoic acid, derivatives 6649, bacteria, fungi, conferences 2729, bacteria, fungi, conferences 2729, bartenia, fungi, conferences 2729, bartenia, fungi, conservativi structure, soli microorganisms 6952, benzene, soli microorganisms 6952, benzene, soli microorganisms 6952, benzenthiophenes, dibenzothiophenes, dibenzothi soils 9620.
carbony, soil microorganisms, soils (volcanic) 159.
Carev plant debris, lakes, USA, Alaska, nutrient enrichment effects on 2023.
Carev plant debris, lakes, USA, Maska, nutrient enrichment effects on 2023.
B-casein, Escherichia coli, Pseudomonas fluorescens 2020.
catechol, chiorocatechol, soil microorganisms 6967.
Cellulomonas, cellulose, 1,3-B-D-xylanohydrolase, cellulase 154.
cellulose, Ascomycetes mutants 165.
cellulose, Ascomycetes mutants 165.
cellulose, cellulolytic enzymes, Cellovibrio glitvus 8417.
cellulose, cellulolytic enzymes, Cellovibrio glitvus 8417.

15.5. explosives industrial wastes, reviews 5578. fatly acids, bile acids. Eubacterium lentum 5576. fensulfothion, soil microorganisms 7538. fulles, microorganisms 7538. fulles, microorganisms 5930. fungi, forest products, fungiodes treatment 1400. fungi, hetero-organic coatings resistance 2384. fungi, Populus tremulcides, leaf filter 8045. galic acid, soil microorganisms, bacteria 7563. glycols, industrial pollution, measuring techniques 5577. guanine, adenine, cytosine, thymine, uracil, soil 5890. quar gum, Bacteroides ovatus 172. Gymnoascus reesii, Iomatidine 3773. herbicides, MCPB, pathway, soil types 5971. herbicides, molinate, soil types, pathway, flooded soils 5886. herbicides, Pseudomonas maltophilia, heat treatments, soil 5904. hexamine, Bacillus 7559. herbicides, MCPB, pathway, soil types, 5971.
herbicides, Pseudomonas maltophilia, heat treatments, soil 5904.
herbicides, Pseudomonas maltophilia, heat treatments, soil 5904.
herbicides, Pseudomonas maltophilia, heat treatments, soil 5904.
hexamine, Bacillius 7559.
hydrocarbons, Beijerinckia, plasmids association 5144.
hydrocarbons, Beijerinckia, plasmids association of 144.
hydrocarbons, Beijerinckia, plasmids association of 144.
hydrocarbons, Beijerinckia, plasmids, Beijerinckia, Beijerinckia ititer, forest floor, Coliybia maculata, Coliybia butyracea, Coliybia distorta, Abies alba 1442.
lubricants, surfactants, microorganisms 9255.
maackiani, Sclerotinia tirfoliorum 2000.
man-made products, environmental effects 4758.
marine poliution, ntritoritancetic acid, marine microorganisms, bacteria 5323.
mecoprop, soil microorganisms 2878.
metabolities, sterois, Mytilus edulis, microorganisms 7554.
N-methyli-2-pyrolidone, bacteria sewage 2017.
hethyli-2-pyrolidone, bacteria sewage 2017.
methyli-2-pyrolidone, bacteria sewage 2017.
methyli-2-pyrolidone, bacteria sewage 2017.
microorganisms association, arimal wastes waste treatment 2616.
microorganisms, production, fatty acids, antifungal acitivity, Calluna vulgaris heaths soil, seasonal variations 5930.
microorganisms, straw, role, soil, volcanic ash, stabilization 5091.
milk, microorganisms, straw, role, soil, volcanic ash, stabilization 5091.
milk, microorganisms, straw, role, soil, volcanic ash, stabilization 5091.
milk, microorganisms, straw, role, soil, volcanic ash, stabilization 5091.
naphthomycin A, Peniciflium gladioli, 2,3-dicarboxy-4-methoxy-5-methylbenzoic acid biosynthesis 12.
nitrolariacetic acid, water hardness effects on, activated sludge 2611.
nitrolariacetic acid, water hardness effects on, activated sludge 2612.
nitrolariacetic acid, water hardness effects on, activated sludge 2612.
nitrolariacetic acid, water hardness effects on activated sludge 2611.
nitrolariacetic acid, water hardness effects on, activated sludge 2612.
nitrolariacetic acid, sater hardness effects on, activated sludge 2611.
nitrolariacetic acid, sater hardness effects on activated sludge 2612.
nitrolariacetic acid, sater hardness effects on activated sludge 2612.
nitrolariacetic acid, sater hardness effects on activated sludge 2612. n-nitrophenetol, Bacillus, Pseudomonas 2013.

Biodegradation, (continued) octratoxin A, Phenylobacterium immobile 6656.
O O-dimetriy phosphorodithoate, pesticides (organophosphorus) derivatives, Pseudomonas, Bacillus, Corynebacterium 5580. oii, bacteria, marine environment 8719. oii, imcroorganisms 5147. oii, waste disposal, soil properties 7020. organic matter, bacteria, hydrogen intermediates 2011. oxalic acid, aquatic environment, sediments, bacteria 7543. parathion, rhizosphere microorganisms, Oryza sativa 2897. Pavo cristatus feathers, keratinophilic fungi 7556. PCB, Acinerboatche 8429. PCB, bacteria, ruvers sediments isolates 8421. PCB, Noterida 2895. peat, aniaerobic conditions, C/N ratios 9264. peat, microorganisms 2877. pentiachlorophenol, Arthrobacter, soil 2891. pesticides, soil microorganisms, 8531. pesticides, soil microorganisms, mathematical models 161, petroleum, Candida tropicalis, Yarrowa lipolytica 5992. petroleum, Pseudomonas desmolyticum, sulfur metabolism 5991 phenmedipham, soil pH effects on mineralization 5298. phenol, bacteria, sewage sludge 8941. phenol, bacteria, sewage sludge 8941. phenol, bacteria, sewage sludge 8941. phenol, oil microorganisms, chemical phenol, bacteria, sewage sludge 8941. phenol, bacteria, sewage sludge 8941. phenol, oil microorganisms, chemical phenol, bacteria, sewage sludge 8941. phenol, oil microorganisms, chemical phenol, bacteria, sewage sludge 8941. phenol, bacteria, sewage sludge 8941. phenol, soil microorganisms, chemical phenol, bacteria, sewage sludge 8941. phenol, soil microorganisms, chemical phenol, bacteria, sewage sludge 8941. phenol, soil microorganisms, chemical phenol, bacteria, sewage sludge 8941. phenol, soil microorganisms, chemical phenol, sevage and phenolisms, chemical pheno Biological control, (continued)
Agrobacterium radiobacter, cro radiobacter, crown gall, Agrobacterium tumefaciens, Phaseolus vulgars 2838. Ampelomyces quisqualis, hyperparasitism, Sphaerotheca fuligimea, powdery mildew Cucumis sativus 2275

Bacillus sphaericus, heat inactivation, larvae, Anopheles stephensi 6612.

Bacillus sphaericus, histopathology, toxicity, larvae, Culex fatigans 8363.

Bacillus sphaericus, larvae, Culicidae 6611.

Bacillus sphaericus, persistence, aqualic environment, Culicidae 1024.

Bacillus sphaericus, powder production, Insecta 1023.

Bacillus subtilis; rust. Uromyces phaseoli, Phaseolius vulgaris 9498.

Bacillus subtilis; use, Scierotum cepivorum white rot, Alium 6592.

Bacillus thuringiensis i- Apanteles melanoscelus, pathogens, Lymantria dispar 2832.

Bacillus thuringiensis i- Apanteles melanoscelus, pathogens, Lymantria dispar 2832.

Bacillus thuringiensis i- Bendotoxin, rytoscity, Culicidae 1018.

Bacillus thuringiensis i- Bendotoxin, histopathology, larvae, Aedes aegypti 1019. Cucumis sativus 2275. Bacillus thurngiensis, Aedes taeniorhynchus, salt marshes 7461.
Bacillus thurngiensis, Anopheles atroparvus, Culex pipiens, Culex molestus 4712.
Bacillus thurngiensis, Anopheles quadrimaculatus, paddy fields, Oryza sativa Bacillus thuringiensis, Bacillus sphaericus, Metarhizium anisopliae, Culex quinquefasciatus 2836. Bacillus thuringiensis crystals, Aedes aegypti larvae, potassium carbonate affects on 4717. Bacillus thuringiensis crystals, Aedes aegypti larvae, potassium carbonate effects on 4717.

Bacilius thuringiensis, Culex tarsalis, paddy fields, Oryza sativa 6599.

Bacillus thuringiensis, Culex tarsalis, paddy fields, Oryza sativa 6599.

Bacillus thuringiensis, Culex tarsalis, paddy fields, pesticide applications, methodology, equipment, Bacillus thuringiensis 9204.

Bacillus thuringiensis, disease control, Similium damnosum, vectors 1020.

Bacillus thuringiensis, disease control, Similium damnosum, vectors 1020.

Bacillus thuringiensis, field trials, Culicidae 1030.

Bacillus thuringiensis, field trials, Iarvae, Similium damnosum 6609.

Bacillus thuringiensis, field trials, Similium soubrense-sanctipauli 1026.

Bacillus thuringiensis, Iosecta, developing countries, research programs 1027.

Bacillus thuringiensis, Iarvantria dispar, Dendforlimus spectabilis, Hyphantria cunea, dose-response effects, mathematical models 8362.

Bacillus thuringiensis, Lymantria dispar, Dendforlimus spectabilis, Hyphantria cunea, dose-response effects, mathematical models 8362.

Bacillus thuringiensis, Lymantria dispar, parasitism, Rogas lymantriae 7477.

Bacillus thuringiensis, Spotiopiera firipagensis, Porceptions 1038.

Bacillus thuringiensis, Spotiopiera firipagensis (1988).

Bacillus thuringiensis, Spotiopiera firipagensis (1989).

Bacillus thuringiensis, Spotiopiera firipagensis (1989).

Bacillus thuringiensis, Spotiopiera firipagensis, Porceptora 1006.

Bacillus thuringiensis, storage, larvae, Simulium damnosum, tropical environment (610. Bacillus thuringiensis, storage, larvae, Simulium damnosum, tropical environment 6610.

Bacillus thuringiensis subsp. Israelensis, Psorophora columbiae, paddy fields, Oryza sativa 6597.

Bacillus thuringiensis subsp. Israelensis, Simuliidae, streams 6602.

Bacillus thuringiensis subsp. Israelensis, Simuliidae, streams 6602.

Bacillus thuringiensis vai respective specification of the streams 222.

Bacillus thuringiensis vai respective specification of the streams 222.

Bacillus thuringiensis vai respective specification of the streams 2075.

Bacillus thuringiensis vai respective specification of the streams 2075.

Bacillus thuringiensis vai respective specification of the streams 2075.

Bacteria, Insecta, commercial species, marketing 1021.

Bacteria, Insecta, opiniens 2007.

Bacteria, Insecta, paid 1021.

Bacteria tridecane, metabolic pathways, q.e.-Indecanedioic acid, Candida tropicalis 2002.
Triticum, straw, soil, Cephalosporium gramineum, effects on 8451.
USA mines forest products, Basidiomycetes 7792.
wheat gluten, microorganisms, storage conditions 2915.
wood, biological activity, soil microorganisms, forests, Canada 6893.
wood, mycorrhizas, use, inoculum, Tsuga heterophylla 629.
wood preservatives, soil microorganisms, land disposal, reviews 5985.
wool, agrochemicals, effects on, Trichophyton agelio 5593.
xanthine, Streptomyces viridiviolaceus 5602.
xanobiotics, aquatic environment, microenvironments, microorganisms 4762.
xanobiotics, microorganisms, factors affecting 3788.
xylan, Bacillus, Cellulomonas, Streptomyces 1060.
xylan, Bacteroides endo-1-3-β-D-xylanase, intestinal microflora, man 2022.
Zea mays crop residues cell walls, Chaetomium cellulolyticum, protein biosynthesis 8418.
Blodeterioration, but the strain of the strain Culicidae, Bacillus thuringiensis subsp.israelensis 8-endotoxin 5553. Culicidae larvae, asociation Bacillus thuringiensis subsp.israeliensis plasmids 2842 Culicidae larvae, use Bacillus thuringiensis &-endotoxin, toxicity, stability 294.

Culicidae, strains comparison, Culicinomyces clavosporus 6591.

Culicinomyces clavosporus, Lagendium giganteum, Aedes taeniorhynchus 2834.

Culicinomyces clavosporus, pathogenicity, mortality, Simulium vitiatum 9209.

Culicinomyces clavosporus, pathogenicity, mortality, Simulium vitiatum 9209.

Carppopor en ella, fruit trees, granulosis virus 8363.

Carppopor ella, fruit trees, granulosis virus 8363.

Carppoporties, culicinae soliani, in viro, Trichoderma harzianum 2854.

Deuteromycetes, culicinae soliani, in viro, Trichoderma harzianum 2854.

Deuteromycetes, culicinae soliani, in viro, Trichoderma harzianum 2854.

Deuteromycetes, culicinae culicity, Culicidae 1012.

Enterobacter cloace seed reatments, Pythium rot, Beta vulgaris, Cucumis sativus, Pisum sativum 9481.

Enterobacter cloace seed reatments, Pythium rot, Beta vulgaris, Cucumis sativus, Pisum sativum 9481.

Entomophthorales, Aphidicae, Gramineae 8360.

Entomophthorales, Apidicae, Gramineae 8360.

Entomophthorales, Apidicae, Gramineae 8361.

Entomophthorales, Apidicae, Gramineae 8361.

Erynia herbicola, bacteria, ice, nuclei, activation, cryonijury, Zea mays 8643.

Erynia phytonomi, Hypera postica, kocide effects on 7485.

Iunqi, aphidipai activity, Brevibacterium linens 2837.

Iunqi, pathogens, larvae, Culicinomyces 1013.

Iunqi, ventrura inaequalis esab, Malus pumila 5825.

Iunqi, weed control, Convolvulus curvensis 414.

Fusarium moniliforme var. subglutinans, Henosepilachna vigintioctopunctata 1034.

granulosis virus, Arthropoda, Maulus 355.

granulosis virus, Podyciae, mass rearing, larvae, Agrotis segetum 9211.

granulosis virus, production, mass rearing, larvae, Agrotis segetum 9211.

granulosis virus, production, mass rearing, larvae, Agrotis segetum 9211.

granulosis virus, Podyciae, Agrotis 419.

herbiodes, microorganisms 5546.

Insecta, bacteria, fungi, viruses 7471.

Insecta, eveloping countries 1028.

Insecta, aculear polyhedrosis virus safety studies, anim Culicidae larvae, use Bacillus thuringiensis 8-endotoxin, toxicity, stability Biofilms, Blotlims, bacteria, wastewater treatment, population studies 5300.

Blogeochemistry, books, conferences 7279. gold, bacteria, actinomycetes, fungi 7013. nitrogen cycle, regulation, soil microorganisms, agricultural ecosystems 3221. activity, Bacillus thuringlensis, Bacillus sphaericus cell culture, Aedes aegypti larvae 7486. activity, Bacillus thuringlensis, Bacillus sphaericus cell culture, Aedes aegypti larvae 8349. Adoxophyse organ, nuclear polyhertmsis virus, association grapulosis virus. lativae 0.549
Adoxophyes orana, nuclear polyhedrosis virus, association granulosis virus effects on Cydia pomonelia 8554.
Afectis on Cydia pomonelia 8554.
Afectis on Cydia pomonelia 8550.
Afectis on Cydia pomonelia 8500.
Afectis on Cydia pomonelia 8500.
Afectis on Cydia Pomonelia Virus Afectis on Cydia Virus Afectis on Georgia 3971

pological control, (continued)
nasecta pathogenicity plants, viruses, fungi, books 993.
nasecta, past control, pathogens, methodology, dissemination, fungi 994.
nasecta, use Hyphophrocales, culture 1805.
nasecta culture 1805.
nas Biological properties,
antibiotic C-19393 E₅ 1667
enteroloxinis, peptides, synthesis, Escherichia coli 2086,
fungichromin, lagosin, cogomycin, comparison, Streptomyces 2591.
Gibberella zeae, pathogenicity, Zea mays 1167.
β-D-glucosidase, Talaromyces emersonii 31
maize rayado fino disease virus isolates 364.
Mucor pusillus proteinase 35.
Piscas pathogens, Vibno, Pasteurella 1785.
saphenamycin, biosynthesis, Streptomyces camarius 1658.
Streptococcus progenes, exotoxinis, ampholine, effects on 2084.
Streptomyces peptides, immunostimularis 921.
Streptomyces peptides, immunostimularis 921.
Blotuminescence,
assays, bacteria adenosinetriphosphatase, bilood culture, use, bacter
assays, bacteria adenosinetriphosphatase, bilood culture, use, bacter assays, bacteria adenosinetriphosphatase, blood culture, use, bacteremia diagnosis 6125. diagnosis 5125. kinetics, mechanisms, alkanal monooxygenase (FMN-linked), Vibrio harveyi 7390. levels, use, measuring techniques, sewage siudge ATP levels 7194. measuring techniques, bactena celf adhesion, polystyrene substrates 4489. use, clinical microbiology, detection, bacteria, methodology 4478. Biomass. Aspergillus terreus, quantitation, association cellulose surfaces 2718.

Azospirillum brasilense, role, nitrogen nutrition, Triticum aestivum, Zea mays A011.

bacteria, activity, bioreactors, factor affecting 9104.

Candida oleophila, production, alkanes nutrient sources, fermenters 7535.

Candida pseudotropicalis production, whey utilization 8307.

chemical composition, Saccharomyces storage, wine fermentation residues 7512.

concentration, Saccharomyces cerevisiae ethanol fermentation 7528.

conversion, ethanol production, sugars fermentation, conferences 10010.

conversion, feeds 7603.

conversion, hemicellulose hydrolysis, percolation reactors, mathematical models 9194.
conversion, synthetic fuels 5137.
determination, bacteria, dry matter water uptake analysis 8129.
fungi, pencillin fermentation, measuring techniques, probes 9085.
fungi, spatial distribution, seasonal variations, Pinus, forests 515.
hydrolysis, sugars production, enzymatic activity, yeasts 5535.
measurement, microorganisms, etalioniship, carbon dioxide release, soil 1969.
microorganisms, determination methodology, leaf littler 3513.
microorganisms, ground water sediments, detection methodology, association, glycerol assays 4466.
microorganisms, soil removal, pasture restoration effects on 3182.
microorganisms, siraw composts, association, Agaricus bisporus nutrition 2923.
microorganisms, tillage, effects on, soil properties, carbon, nitrogen,
mineralization 2359.
microorganisms, wastes, quantification, radium adsorption 9828. minieralizationi 23 microorganisms, wastes, quantification, radium adsorption 9828.

microorganisms, wastes, quantification, radium adsorption 9828.

molitoring, Acinetobacter calcoaceticus, cell adhesion, methodology, hexadecane, fermentation 5142.

mycorrhizas, association, roots, Vicia faba 553.

nutrent cycles, stands, mycorrhizas, fungi, Pseudotsuga menziesii, USA, Oregon nutrent cycles, stands, mycorrhizas, fungi, Pseudotsuga menziesii, USA, Oregon 6905
oxidation, microorganisms, measuring techniques, use, potassium dichromate 6287.
Penicillium digitatum myceita, use, solution uranium removal 9628.
Penicillium jarthineilum, production, fermentation, straw, Oryza sativa 7564.
Penicillium, microbiology, uranium, pH 8699.
phosphate, soli microorganisms, measuring techniques 567.
production. Candida brassicae continuous culture, computer applications 8167.
production. Candida oleophila, n-alkanes utilization 5993.
production, utilization, conferences, books 10009.
production, vyaests batch culture fermenters, oxygen application 5442.
Propionibacterium continuous culture, pH effects on 7312.
soil microorganisms, enzymatic activity, crop fields, agricultural practices effects on 5980.
soil microorganisms, measuring techniques 8666. effects on 5980.
soil microorganisms, measuring techniques 9666.
soil microorganisms, phosphorus, measuring techniques 572.
soil microorganisms, soil, measuring techniques 6939.
Sponotrichum pulverulentum, production, pigs wastes 9102.
tundra, mycorrhizas, sub-alpine environments 5883.
yield, Candida utilis continuous culture, ethanol metabolism, oxygen effects on 7509. Bioreactors, activated sludge treatment, chemicals wastes 9804. acration. Hansenula polymorpha, Escherichia coli, media (culture), reviews 8084. anaerobic conditions, organic compounds+ methanol loading, degradation association 8940. m anaerobic conditions, organic compounds+ methanol loading, degradation associated by the control of the contr Pythium ultimum, role, Gilocladium virens, gliovirin 5831.

Arisotonia bataticola root rot, Cicer arietinum, Streptomyces, Stachybotrys atra 7455.

Robi-borne diseases, Verticilium dahiae, Fusarium oxysporum f.sp.vasinfectum, Gossypium hirsutum 7769.

Sprays, Bacilius thuringiensis, Choristoneura fumiferana 7488.

Sprays, Bacilius thuringiensis, Choristoneura fumiferana 8350.

Streptomyces longisporus antagonism, Helminthosporium oryzae brown spot, Oryza sativa, Altermaria solani early bilght, Solanum tuberosum 4105.

Telatormyces flavus, Verticilium dahiae wilt, Solanum melongena 1390.

Telotormyces flavus, Verticilium dahiae wilt, Solanum tuberosum 4105.

Telatormyces flavus, Verticilium dahiae wilt, Solanum melongena 1390.

Telotors, insecta, research programs 1029.

Verticilium lecanii, Trialeurodes vaporariorum, pest control 126.

Verticilium lecanii, Trialeurodes vaporariorum, sest acrica, field trials 9408.

Veed control, Olletotrichum gioossporioides, Hakea sericea, field trials 9408.

Veed control, Colletotrichum malvarum, Sida spinosa 1285.

Veed control, plath diseases, pathogens, developing countries 7472.

White rot, Allium cepa, seed treatments, Bacilius subtilis± fungicides 4103.

Will, Pseudomonas solanacearum, disease resistance, Solanum tuberosum 5833.

Brophthora radicans pathogens, Therioaphis trifolii maculata 1033.

Brological oxygen demand,

microorganisms, reactors wastewater treatment 5310.

Solution monitoring, sewage effluents, algae 2614.

Biotin,

binding sites, acetyl-CoA carboxylase, peptide synthesis, interaction, magnesium, N.M.R., Escherichia coli 4632. biosynthesis, Escherichia coli, association sulfur 2843. biosynthesis, optimization, Rhizopus delemar 6626. 77

Biotin, (continued)
biosynthesis, Streptomyces levoris, yeasts stimulants effects on 8021.
Clavceps, effects on ergot alkaloids production 4914,
effects on critic acid production, Aspergillus niger 5468,
overproduction, Bacillus sphaencus 8381. overproduction, bacinus spitatricus 6501. production, Rhizopus delemar 1972. RNA labelling, use phage T4 polyribonucleotide synthetase (ATP) 9833. stimulation, peptidoglycans biosynthesis, Brevibacterium divaricatum 1957. Biotyping, Citrobacter koseri 7903 Enterobacter cloacae 3592. Enterobacter cloacae 3592.

Erwinia chrysanthemi, pathogenicity, Zea mays, ornamental plants 4927.

Haemophilus influenzae, relationship, virulence, antibiotic resistance, ampicillin, in vitro 7048.

Staphylococcus epidermidis, API test 9910.

Vibrio cholerae, growth, food contamination 3835. Biphenyl,
oil, bacteria biodegradation, marine environment 8719.
oxidation, Cunninghamella elegans, association, glucoronide, sulfate biosynthesis Bipolaris maydis, infection, Zea mays, disease resistance, comparison, Colletotrichum graminicola infection 4069. Infection 4069. Bipolaria oryzae,
brown spot, mancozeb, resistance, Zizania aquatica 6023.
leafspot, hypersensitive response, lesions, Oryza sativa 5039.
resistance, lenapanii 9633.
Bipolaria setariae,
infection, Chrysalidocarpus lutescens, insecticides soaps, foliar applications 9486
loafspot, Chrysalidocarpus lutescens, etiology 1269.
Bipoiaris acrokiniana,
brown spot, manoczeb, resistance, Zizania aquatica 6023.
conidia, identification, soil isolates 7806.
root rot, Triticum aestivum, USA, Colorado, USA, Wyoming 6776.
Biquateranay ammonium compounds,
antimicrobial activity 703.
Bls-(3-hydroxy-Z-oxocyclo-heptatrian-(3,5,7)-yl-sulfide,
Pseudomonas cepacia, isolation, antibacterial activity 768.
1,4-Bis(3-h-hayv[carbamylguanidine)propyl piperazine dimethanesultonate,
antibacterial activity, gingivitis, man 813. 9486 antibacetral activity, small selections and selections and selection relationship, antimicrobial activity, Streptococcus, Actinomyces, dental plaque 5222. Biteranol, use, ornamental plants disease control 5056. use, ornamental plants disease control 5056.

Bla(tributyitin)oxide,
bacteriostatis, bactericidal activity, Legionella pneumophila 3332.

Bitter rot, Bitter rot,
Glomerella cingulata, pathogenicity, Malus pumila 9377.
Bitterness,
Intuluces, bacteria spoilage 7590.
Bjerkandera adusta,
decay, association frost damage, Quercus rubra, Quercus robur 6921.
Black leg,
Erwinia carotovora, interaction, wilt, Fusarium, Verticillium dahliae, effects
on, Solanum tuberosum 1251.
Solanum tuberosum, characterization 2153.
Black ling. Black line. Black line,
Phaseolus vulgaris, association, cherry leaf roll virus, cytopathology 339.
Black pod,
Phytophthora, Theobroma cacao, etiology 396.
Thielaviopsis basicola, disease resistance, plant breeding, Arachis hypogaea 9465 Black root, Thielaviopsis basicola, histology, llex crenata 4994. Black rot, Corcoasia esculenta, Ceratocystis fimbriata spores agglutination factors, isolation, characterization 4993.

Cylindrocladium crotalariae, soil inoculum, spatial distribution, epidemiology, Cylindrocladium crotalariae, soil inoculum, spatial distribution, epidemiology, Arachis hypogaea 1123. host specificity, Ceratocystis fimbriata, spores, agglutination, extracts; Ipomea batatas, roots 3095. Strasseria oxycocci, Ceuthospora lunata, pathology, Vaccinium macrocarpon 4052. Strasseria oxycocci, pathology, Vaccinium macrocarpon 4050. Xanthomonias campestris pv. campestris, media (isolation), soil 6309. Xanthomonas campestris pv.campestris, media (isolaudii), soni coos.

Black scurf,
Rhizoctonia solani, disease control, iprodione, benodanii, thiabendazole, Solanum tuberosum 5055.

Black shank,
Nicotiana tabacum, disease control, fungicides+nematicides 4125.
Phytophthora parasitica, disease resistance, Nicotiana, genetic analysis 1340.
Phytophthora parasitica var.nicotianae, temperature, rainfali, effects on, pathogenesis, Nicotiana tabacum 3050.

Black spot,
Auminicipa disease control, Diospyros kaki 8628. fungicides Black stain, Verticicladiella, pathogenicity, Pinus contorta 9519. Verticicladiella wageneri, Pseudotsuga menziesii roots 9526. Black stem,
Dichotomophthora portulacae, Portulaca oleracea 9427.
Phoma medicaginis var.medicaginis, Medicago sativa, USA, Wyoming 9330. rice, association, Alternaria, Curvularia, toxicity 3863.
Blackaye cowpee mosalc virus,
disease resistance, inheritance, Phaseolus vulgaris 4088.
Blackatonia perfoliata,
mycorrhizas, nutrent status, seasonal variations 1490.

Oryza sativa, environmental conditions effects on pathogenesis 1169. Oryza sativa, fungicides, Pyricularia oryzae 2274. Pyricularia grisea, pathogenicity, Lolium multiforum 1178.

sativa 5699. Pyriculana oryzae, epidemiology, relationship, meteorology, Oryza sativa 1182. Pyriculana oryzae, fungicides disease control, Oryza sativa 8630. Pyriculana oryzae, fungicides resistance, measuring techniques, in vitro 7892. Pyriculana oryzae, Oryza sativa, antifungial agents effects on pathogenesis 5827. Pyriculana oryzae, Oryza sativa disease resistance, USA 5711. Pyricularia bryzae, chyza sauto ubudze.

Blastomycese, use, detection, tissues 8156.

Blastomycese, mmunodiagnosis, antiglobulin hemagglutination test 5434. cell culture, formalin antifungal activity 8793. identification, immunodiffusion 4543. viability detection, methodology comparison 9986. Blastomycosis, immunodiagnosis, antiglobulin hemagglutination test 5434. Bleaching, powder, antibacterial activity, Xanthomonas phaseoli, leafspot, Vigna radiata 2289 sensitivity, use, identification, Mycobacterium, strains, Rhodococcus, Nocardia 671 synthesis, methodology 4399. Bletilla striata, bibenzyls, dihydrophenanthrenes, antibacterial activity 7079. bibenzyls, dinyoroprienatureness common properties de la bilght, Allium cepa, Botrytis squamosa contidia release, weather relationship 5771. Alternaria alternata. Pisum sativum 1136. Alternaria dausi, disease control, foliar applications, fungicides, spraying equipment, Daucus carota 9484. Alternaria heliarithi, inoculum production, Heliarithus annuus 5746. Alternaria panax, Brassaia actinophylla, Schefflera arboricola, benomyl effects Alternaria pariax, brassalia actiniophyliai, Scheinera arboricciai, berioniyi eriects on 5882.

Arachis hypogaea, Sclerotinia minor sclerotia quantitation 5680.

Ascochyla rabiei, Cicer anethrum, disease resistance, inheritance 6867.

Ascochyla rabiei, Cicer anethrum, reviews 1142.

bacteria, Dabiei, Cicer anethrum, reviews 1142.

bacteria, Manihot esculenta, symptoms, etiology 4022.

bacteria, Oncometopia nigicians, disease transmission, Citrus 1204.

bacteria, Phaseolus vulgans, disease control 9462.

Basidiomycetes, Poa pratensis, Poa annua 1172.

Beniowskia sphaevoidea, pathology, Setaria geniculata 1184.

blocking, xylem, Citrus sinensis 8565.

Choanephora cucurbitarum, Pathogenicity, Capsicum annuum 4004.

Cryphonectra parastica, virulence, effects on, dieback, Castanea dentata 8655.

Endothia parastica, virulence, Castanea dentata, Greece 6916.

Endothia parastica, virulence, Castanea dentata, Greece 6916.

Endothia parastica, virulence, disease control, Castanea dentata 6622.

Endothia parastica, virulence, disease resistance, Castanea dentata 6623.

Fusanum graminearum, disease resistance, seedings, Zea mays 1361.

Glycine max 1132. on 6882 Manihot esculenta, disease resistance, Xanthomonas campestris pv.manihotis Nectria cinnabarina, disease control, Malus pumila, benomyl, captafol 4120. Nectria cinnabarina, disease control. Malus pumila, benomyl, captafol 4120. Oryza sativa, Xanthomonas campestris vo oryzae, virulence 352. Phacidium infestans, Pinus sylvestris survival, reforestation 4164. Phomopsis vaccinii, pathology, Vaccinium corymbosum 1271. Phytophthora infestans, effects on, Solanum tuberosum, yield 6822. Phytophthora infestans, concluim potential, epidemiology, Solanum tuberosum 6821. Phytophthora infestans, concluim potential, epidemiology, Solanum tuberosum 42. Phytophthora infestans, Solanum tuberosum, disease control, metalaxyl 9494. Polyscias frutiocsa, foliar diseases, Afternaria panax 3090. Pseudomonas, Glycine max, symptoms, relationship, coronatine biosynthesis 299 Pseudomonas glycines, identification, biochemical characteristics, Glycine max 2991. 2991. Pseudomonas syringae pv.pisi, incidence, Ptsum sativum, Israel 9335. Pseudomonas tolaasii, attachment, Agaricus bisporus, scanning electron microsco Pseudomónias tolalasii, ariacinment, Agaricus Disporus, scanning electron microsopi 3051.

Pythium, pathology, Gramineae, turfgrass 5714.

Pythium, pathology, Gramineae, turfgrass 5714.

Pythium, Phaseolus vulgaris, disease control, metalaxyl 9493.

Pythium ultimum, Agrostis palustris, predictions, climatic conditions 9362.

Phitocotnia, Lespedeza cuneata, disease resistance, plant breeding 6866.

Rhizoctonia, Lespedeza cuneata, pathogenicity, seeds yield association 6745.

Phizoctonia solani isolates, pathogenicity, Phaseolus vulgaris 1134.

Sclerotinia minor, chlorothalonii, disease control, Arachis hypogaea 3151.

Sclerotinia minor, chlorothalonii, disease control, Arachis hypogaea 3151.

Sclerotimia morofisi, basidiospores, role, pathogenesis, Agrostis tenuis 9339.

Sclerotium rolfsii, disease control, Indigiodes, salts, Trichoderma, Poa 1402.

Sclerotium rolfsii, disease control, Malus pumila 492.

Solanum tuberosum, detection, aerial photography, I.R. radiation 1252.

Vigna unguiculata, Xanthomonas campestris, comparison Phaseolus vulgaris, pathogenesis 340.

Xanthomonas campestris pv.malvacearum, Gossypium hirsutum, cotyledons, memb potential, relationship, ATP 3055.

Xanthomonas campestris pv.malvacearum, hypersensitive response, Gossypium hirsutum 3129. hirsutum 3129 Anthomonas campestris pv.oryzae, disease resistance, genes, genetic analysis, Oryza sativa 9459.

Xanthomonas campestris pv.oryzae, Oryza sativa disease resistance inheritance 9364 9304.
Xanthomonas campestris pv.oryzae, Oryza sativa, incidence, Niger 9355.
Xanthomonas campestris pv.oryzae, virulence, Oryza sativa 1195.
Xanthomonas campestris pv.phaseoli, Phaseolius vulgaris disease resistance, tropical environments 5052.
Xanthomonas malvacearum, disease resistance, genetic analysis, Gossypium hirsul 2254 Xanthomonas manihot, Manihot esculenta, age effects on incidence, development mycorrnizas, nutrient status, seasonal variations 1490. Blakeelee triapora, fermentation, β-carotene, β-D-glucosidase, biosynthesis, cellobiose media (culture) 104. Blast, 4016. Cronartium coleosporioides, relationship habitat, Pinus contorta, surveys, USA, Cronartium coleosponolicies, Teatronising Intaliaria, Finis delinitiaria, Idaho 5862. Cronartium, Pinus, Rodenta, feeding damage 2318. Cronartium ribicola, disease control, pruning, Pinus monticola 1457. Cronartium ribicola, disease control, pruning, Pinus strobus 1466.

Blast, (continued)

sa, (commons) Pyricularia oryzae, cultural characteristics, relationship pathogenicity, Oryza sativa 5699.

ster rust, (continued)
Cronarium ribicola, genetic variance, pathogenicity, Pinus monticola 1452.
Pinus contorta subspilatifolia, effects on production, cones, seeds 4169.
Pinus monticola, disease resistance, USA 8618.
Suillus luteus, infection monitoring, chitin, mannans, levels, Pinus sylvestris 3170. carbohydrate metabolism enzymes, purification, characterization, kinetics 5445, conferences, antibacterial agents, antiviral agents, chemotherapy, man, activity, cardonydrate interactions in archives, purincation, characterization, kinetics \$445. confletences, antibacterial agents, antivorial agents, chemotherapy, man, activity, confletences. Basidiomycetes, decomposition, ecology 8187. confletences unasis, plant diseases 2728. drugs, antibiotics, antinitrot pall activity, treatment, infectious diseases 1817. enzymes, bacteria, veasts, antibiotics, antinitrot pall activity, treatment, infectious diseases 1817. enzymes, fermentation, biotechnology 8179. group opisioning, man 10002. good poisoning, man 10002. good poisoning microorganisms, isolation, identification 8186, fouling organisms, bacteria, heat transfer, equipment 5444, fung, secondary metabolism, metabolites 3637. genetic engineering, microorganisms, fermentation 7276, industrial microbiology 4548. gl-actam antibiotics, biological properties, chemical properties 8182. gl-actam antibiotics, plong services, plant global services, plant conferences, Basidiomycetes, decomposition, ecology 8187. . 839.
Legionella pneumophila isolation methodology 9912.
media (culture), sucrose effects on bactena isolation 9930.
media (culture), sucrose effects on bactena isolation 9930.
media (isolation), cerebrospinal fluid 6331
methodology, anaerobic bactena isolation, children 2683.
methodology, bacteremia diagnosis, man 860.
sodium othoride, phosphate buffers, Legionella pneumophila 851.
Streptococcus, identification, latex agglutination 5412.
ood donors,
tetanus lovans artibodies, screening, latex agglutination 3621. 839 tetanus toxuns antibodies, screening, latex agglutination 3621.
TPHA test detection Treponema pallidum, man 5394.

odd group P1,
hemagglutination, identification Escherichia coli pili receptors 5402. ossom blight, Monilinia fructicola, benomyl resistance, disease control, Prunus persica 5835. otch, Bacillus megaterium pv.cereales, Triticum aestivum 1152. Phoma arachidicola, interspecific relationships, Cercospora arachidicola leafspot, yield, Arachis hypogaea 2998. Pseudomonas tolaasii, symptoms, pathogenesis, experimental infection 1293. Pseudomonas tolaasii, symptoms, patnogenesis, baperininina iniocolorus we mold.

Nicotiana disease resistance, plant breeding 1339.

Penicillium expansium, benomyl, disease control, association, stem rot, Alternaria alternata, Pyrus communis 3373.

Penicillium italicum, thiabendazole resistance, oranges 6009.

Perionspora offusa, disease resistance, genetic analysis, Spinacia oleracea 1337.

Peronospora hyoscyami, metalaxyl resistance, disease control, Nicotiana tabacum 5063.

Peronospora hyoscyami, treatment, metalaxyl, Nicotiana tabacum 2287. 5063. Peronospora hyoscyami, treatment, metalaxyl, Nicotiana tabacum 2287. Peronospora tabacina, spores release, disease spread, wind, Nicotiana tabacum 4995.
Sprinacea oleracea disease control, metalaxyl+chlorothalonil treatment 5064.
Ceratocystis minor, Dendroctonus frontalis, vectors, Pinus 3168.

action infection, post-harvest decay, disease control, carbon dioxide storage
3106.
3106. books 9995. wastewater treatment, oxidation 9092 water supplies, microbial pollution, water-borne diseases, epidemics, indicator species 9999. species 3999. weed control, biological control, microorganisms, pathogens 8183, wine production, fermentation 905. weed control, poliogical control, microorganisms, pamogens 8183. wine production, fermentation 905.

Bordetella, chiopromazine, bacteriostasis, antibacterial activity 3323.

Bordetella bronchiseptica, antibodies, detection, enzyme-linked immunosorbent assay, methodology 3611. vaccines preparation, immunogenicity, immunity, dogs 785.

Bordetella pertusals, adenylate cyclase, calmodulin activation 7349. antibodies, radioimmunoassay detection, cattle 1789. colonial characteristics, morphology, biochemical characteristics, antibiotics effects on 1596. drug sensitivity testing 7133. endotoxins. 2-amino-6-O-(2-amino-2-deoxy-β-D-glucopyranosyl)-2-deoxy-D-glucose, hydrophobicity regions 7632. endotoxins, 3-hydroxytetradecanyol substitution 6704. hemagglutnins, artibodies, enzyme-linked immunosorbent assay 889. hemagglutnins, purification, characterization, use, enzyme-linked immunosorbent assay 888. 3106.
post-harvest decay, Alternaria, Botrytis, moisture effects on 5032.
uenaomycin,
stereochemistry 1622.
uetologue Virus,
antigens, purification 5478.
dyf fulids,
antibiotics assays 9724.
man, antibacterial activity, cefotetan 4377.
man, ceftazidime determination, high-pressure liquid chromatography methodology.
8841. 8841 8841. behmerla cylindrica, extracts, antifungal activity, Candida albicans 4303 ritrogen fixation, denitrification 3213.
particle size, mineralization, nutrient levels, peat, nitrogen, soil
microorganisms 8697.
letales, microorganisms 8697.

letales,
letales, media (selective) 9900. pertussis toxins biosynthesis, heptakis(2,6-O-dimethyl)β-cyclodextrin effects on 8523. toxins binding haptoglobulin, enzyme-linked immunosorbent assay 6720. toxins, reviews 7630. toxins subunit structure 302. ultrastructure, antibiotics effects on 1599. vaccines, stability, methodology 3450. Boreiria reticulata, mycorrhizas, association Adelges 1472. Boron,
role tobacco mosaic virus disease resistance, callus deposition, Nicotiana
tabacum, Phaseolus vulgaris 1377. Botrychium, vesicular-arbuscular mycorrhizas, morphology 2327.

Botryodiplodia,
crown rot, Musa sapientum, pathogenicity 395. crown rot, Musa sapientum, pathogenicity 395.

BotryodIplodia hypodermia, infection, Umus pumila, virulence 2320.

BotryodIplodia theobroma, sports, actors, Musa musculus domesticus, Periplaneta americana, Zonecerus vangatus, yams, post-harvest decay 442.

BotryodIplodia theobromae, canker, Flosa, disease control, fungicides 1410. cellulolytic enzymes, production 7409.

Dioscorea rotundata extracts antifungal activity 3339. fruit rot, Lagenaria vulganis, phenois levels 7718. life cycle, soft rot, Dioscorea 5791. post-harvest decay, etiology, Manihot esculenta 3102. rot, bananas, post-harvest decay, fungicides control 5804.

79

Botryodipiodia theobromae, (continued) soft rot, citrus sinensis, association pectinolytic enzymes 3965. stem rot, Persea grattisima, disease control, prochloraz 6833. Bourouniyan Az, N.M.R., structure 9779.

Bougainvillea spectabilis, host plants, Stenella bougainvilleae sp.nov. isolation, taxonomy 1254.

Boutelous gracills, stem rot, Persea grattsima, disease control, prochloraz 6833.

Botryosphaeria,
gummosis, pathology, Prunus persica 1217.

Botryosphaeria coltridee,
Botryosphaeria coltridee,
fruir rot symptom. Prunus persica 5735.

Botryosphaeria corticles,
stem canker, Vaccinium corymbosum, incidence, USA, New Jersey 6831.

Botryosphaeria dothidee,
association, mortality, Pinus taeda, Pinus elliottii var.elliottii 5870.
canker, orchards 1223.
gummosis, disease resistance, Prunus persica 2248.
gummosis, pathology, Prunus persica 1217.
gummosis, Prunus persica, epidemiology 1214.
white rot development, Malus, association, fructose content, pH 4975.
white rot development, Malus, association, fructose content, pH 4975.
white rot development, Malus pumila 5739. isoutelous gracilia.
mycorrhzas, Glorius fasciculatus, nutrient status 1485.
Bovine diarrhae-mucosal disease virus,
elimination, Vero cells cell culture 6301.
Bovine leukemia virus,
antibodies, detection, enzyme-linked immunosorbent assay, use, monoclonal
antibodies 4747. antibodies 4474.
nucleic acid-binding protein, amino acid sequence 7297.

Bovine rhinotrachetits virus,
susceptibility, a-interferon 6074.

Bovine synctial virus,
replication, Vero cells cell culture, elimination bovine diarrhea-mucosal disease
virus 6301. virus 6301.

Box rot spollage,
prunes spollage, fungi 4777.

Brachionus pilicatilis,
+antibactenal agents, food sources, treatment infection, Scophthalmus maximus
iarvae, aquaculture 7609.
population growth, association, Saccharomyces cerevisiae nutritive value,
nutrients supplements 7604.

Brachicadus helichrysi,
potato virus Y transmission 4044. canker, fumigants Phytophthora cactorum, Malus pumila 492.

Botryosphaeria obtusa,
fruit rot symptom, Prunus persica 5735.
gummosis, pathology, Prunus persica 1217.

Botryosphaeria rhodina,
fruit rot symptom, Prunus persica 5735.
gummosis, pathology, Prunus persica 5217.

Botryosphaeria ribia,
dieback, pathology, Eucalyptus camaldulensis 4159.

Botryosphaeria vaccinii,
pathogenicity, fruit rot, post-harvest decay, Vaccinium macrocarpon 9418.
Botryosphaeria vaccinii,
post-harvest decay, leaves, Nicotiana tabacum 9454.

Botryfis, Bran, sterilization, I.R. radiation 5637 Branches,
Arceuthobium abietinum parasitism, Cytospora abietis dieback, Abies magnifica post-narvesf decay, leaves, Nicoliana tabacum 9454.

Botrytis, illuberries post-harvest decay, moisture effects on 5032.

Botrytis allii.

Infection, Allium cepa, fluorescence association, factors affecting 8584.

Infection, Allium cepa, metabolism changes 9443.

Infection, Allium cepa, metabolism changes 9443.

Infection, Allium cepa, and provide and 5863 Botrytis, blueberries post-harvest decay, moisture effects on 5032. litter, size distribution, decomposition, fungi, forest floor 8647. litter, size distribution, decomposition, fungi, forest floor 8647.

Branhamelie catarnhaile,
B-lactamase, isoelectric focusing 8292.

B-lactamase production, activity, association, antibacterial activity,
B-lactam antibotics 9736.

B-lactamase, production, characterization 8288.

nasopharynx; isolates, antibacterial activity, optimoxazole, trimethoprim,
sulfamethoxazole 7066. Brassala actinophylla,
Alternana panax hight, benomyl effects on 6882.
Alternana panax infection, insecticides soaps, foliar applications 9486.
leafspot, irrigation effects on pathogenesis 1274.
pathology, leafspot, Alternana 3993. beet western yellows virus infection 2176. clubroot, Plasmodiophora brasicae 2212. seed crops, incidence, Alternaria, Leptosphaeria maculans, British Isles, surveys 4042.

seedlings, Pythium aphanidermatum damping-off, new records, Singapore 1259. seedls, surfaces, bacteria, factors affecting 4793. susceptibility, turnip mosaic virus 2186. Trifolium repens growth, mycorthizas association, effects on 585. Brassica actinophylla, seedling blight, Pythium splendens, etiology, disease control, USA, Hawaii 4996. Brassica campestria, Brassica campestris, clubroot, role zoospores, Plasmodiophora brassicae 4998.
crop fields, fungal flora, seasonal vanations, community composition 9546.
tungicides effects on leaf surface fungal flora 3146.
pathogenesis. Aspergillus amstelodami. Penicillium verrucosum var.cyclopium,
Verticillium lecanii, fluorescence, microscopy 2188.
Brassica chinensis,
soil moisture, effects on, Plasmodiophora brassicae, infection 2216.
Brassica juncea,
phospholipase A2, effects on pathogenesis, Macrophomina phaseolina infection 4005. grey mold, Pisum sativum 7663.
growth, spore germination, ammonia, volatiles, effects on 2349.
host-parasite interactions, grey mold, ultrastructure, role aromatic compounds
production, fruits, Vitis vinifera 9402. production, fruits, Vitis vinifera 9402. infection, blueberries, post-harvest decay, disease control, carbon dioxide storage 3106. infection, defense mechanisms, leaves, lignin induction, Triticum aestrvum 1368. infection, Lathyrus sativus phytoalexins production association 6846. infection, Bibes nigrum leaves, antifungal activity, sakuranetin 1332. infection, Bubus idaeus, disease resistance 466. laccase, factors affecting activity 8299. Larix defoliation, association Adelges grazing 540. leaf blotch, Solanum tuberosum 2213. osmotic pressure, sensitivity, association, dicarboximide, resistance 6022. white rust resistance, phenols, sugars concentration 5769. writter tust resistance, pnenois, sugars concentration 5769. **Brassica napus**, clubroot, role, 3-indolylmethylglucosinolate conversion 5761, crop residues, chemicals treatment, Leptosphaena maculans reproduction stages suppression 463. suppression 4od, disease resistance, downy mildew, Peronospora parasitica 4056, disease resistance, downy mildew, Peronospora parasitica 8609. haploidy, heredity, disease resistance, Phoma lingam 450. Leptosphaeria maculans latent infection 4041. leaf blotch, Solanum tuberosum 2213.
osmotic pressure, sensitivity, association, dicarboximide, resistance 6022.
pears post-harvest decay, antifungal activity, surfactants+chlorine 1323.
pectinase, fruit rot, Lycoperiscon esculentum 5797.
post-harvest decay, grapes, sulfur dioxide fumigation, packaging, temperature effects on 2905.
powdery mildew, propiconazole effects on, Uncinuta necator 4102.
resistance, benomyl, capitan 1531.
resistance, dicarboximides 9650.
rot, Vilis vinifera fruits, agricultural practices effects on pathogenicity, USA, California 7685. ceptosphaena machanis latent inection 404.

mixtures, effects on pathogenicity, powdery mildew, Erysiphe polygoni 4043.

plant diseases, surveys, Canada 7692.

Selectinia sclerotiorum infection, fungicides, disease control, spore traps seed crops, incidence, Alternaria, Leptosphaeria maculans, British Isles, surveys stem rot, Phoma lingam, disease control, agricultural practices 495. stem rot. Proma lingam, disease control, agricultural practices 495.

Brassica olearacea, fungicides, disease control, leafspot, Pyrenopeziza brassica e 2276.

Brassica oleracea, clubroot, fungi, disease control, transplantation 4073.

clubroot, Plasmodiophora brassicae, disease control, foliar applications, herbiodes 8632. 101, Vitts vinitiva riutis, agricultura practice of roction of participar California 7885.
cclarottia, isolation methodology, soil 9568.
siderophores, lesions, development, Vicia faba 3000.
spores, dispersal, incidence, Phaseolus vulgaris pod rot 5686. spores, dispersal, incidence, Phaseolus vulgaris pod rot 5686.
terpenoids conversion, musts 5586.

Bottytis fabae,
conidia, sunvival, pathogenicity, Vicia faba 5677.
infection, Vicia faba, lesions spatial distribution, statistical analysis
methodology 2110.

Bottytis squamosa,
conidia release, Allium cepa blight, weather relationship 5771.
infection, Allium cepa, dew, temperature, effects on 8591.
iprodione resistance 1519.

Bottle feeding,
bottles, disinfection, bacteria, infants, man 800.

Rottles disease resistance breeding, Plasmodiophora brassicae clubroot 9477. disease resistance, downy mildew, Peronospora parasitica 4056. seed crops, incidence, Alternaria, Laptosphaeria maculans, British Isles, surveys 4042.

seeds, Alternaria brassicicola infection, epidemiology 1229.
seeds, loalspot, disease control, iprodione 508.
seeds, loalspot, disease control, iprodione 508.
seeds, loalspot, disease control, iprodione 508.
seeds, loalspot, disease control induction, endomycorrhizas role growth 5913.
Brasica offeraces var. seephala, cytology, immunodiagnosis, cauliflower mosaic virus, turnip mosaic virus 4983.
Brasica offeraces var. capitata, seeds of the seeds of bottles, disantecani, commence and bottles, disinfection, bottle feeding, bacteria, infants, man 800. mineral water, contamination, bacteria 2027. pathogens, culture, methodology 5358. rotation, cell culture, vinuses 3532. sterilization, microorganisms contamination source wineries 258. washing, sterilization 4874. Brastica rape,
disease resistance breeding, Plasmodiophora brassicae clubroot 9477.
plant diseases, Spiroplasma citri, disease transmission, Macrosteles fascifrons

Microbiology Abstracts A vol. 18 rassica rapa, (continued) British Isles, (continued) food poisoning, Salmonella, Clostridium perfringens, Campylobacter, association, razil. Brassica oleracea var.capitata, leafspot, Alternaria brassicicola, incidence, Brassica oleracea var.capitata, leafspot, Alternaria brassicicola, incidence, pathogenicity 6818. Gladiolus, Uromyces transversalis rust, new records 2203. Phaseolus vulgaris, southern bean mosaic virus 2098. Phamopsis host plants, Amaranthus spinosus, Leonotis nepetaefolia, leonurus sibincus, new records 6826. Prunus salicina, scald, bacteria, epidemiology 1221. purple blotich, Atternaria porti, incidence, Allium cepa, hybrids, cultivars 7713. rivers, levels, coliforms, saprophytes 8066. soil, Bacilius role ntrogen fixation 5961. water pollution, microbial pollution, feces 8971. tood poisoning, Samonelia, Liostralium perfiringens, Campylobacter, associ temperature, epidemiology 3828. host plants, brome mosaic virus 3980 Lolium perenne, Lolium muttiflorum, fungi infection incidence 5721. rivers, tobacco necrosis virus isolation, infection, Chenopodium 4020. Salmonella isolation, incidence, man, food, sewers 1075. sand, anylsulphohydrolase, cysteine desulphohydrase, thiosulphate cyanide sulphurtransterase, activity 6,855. soil improvement, association, Rhizobium trifolii inoculation, Trifolium 6953 Streptococcus pneumoniae, penicillium, chloramphenicol resistance e waste disposal sites, anaerobic bacteria phenol biodegradation 3799. **Arittle root** Spiroplasma citri, epidemiology, geographical distribution, Armoracia rusticana 3059. Broad bean leaf roll virus, Broad bean leaf roll Virus, pea early-browning virus-pea enation mosaic virus, interaction role, Vicia faba necrosis 7664. Broad bean wilt virus, infection. Begonia semperflorens 4982. inigspot, Ajuga reptans 3043. Brochothrix thermosphacta, food contamination, meat products vaccum packaging, biological control, Lactobacillus use 4835. spoilage, beef, vacuum packaging, refngeration 5638. cytomegalovirus, storage effects on 1079. antimalarial activity, man 1589. anumauria acurry, ma. receding, disease resistance, Brassica oleracea, Brassica rapa, Plasmodiophora brassicae disease resistance, Brassica oleracea, Brassica rapa, Plasmodiophora brassicae disease resistance, Brassica oleracea, Brassica rapa, Plasmodiophora brassicae clubroot 9477. Triticum aestruum, Neovossis indica bunt resistance 5817. Vigna unguculata disease resistance, cowpea aphid-borne mosaic virus, cowpea mosaic virus, bacteria, infection 3138. Zea mays, effects on aflatoxins contamination 3880. Srefieldin A, antifungal activity, lipid metabolism, Candida alibicans 1564. Eupenicillium brefieldianum, biosynthesis, oxygen incorporation 4421. Fremia lactucae, disease resistance, genes, Lactuca sativa 3126. downy mildew, disease resistance, genes, Lactuca sativa 3126. downy mildew, disease resistance, genes, Lactuca sativa 5837. downy mildew, virulence, assays, Lactuca sativa 3091. downy mildew, virulence, assayciation, disease resistance, Lactuca sativa 6820. infection, Lactuca sativa, virulence, USA, New York, 402. Fretanomycea enomalus, cellobiose fermentation 4744. Fretanomycea clauseenli, cellobiose fermentation 4744. Fretanomyces custersli, cellobiose fermentation 4744. phages, isolation, beet, characterization 7568 Brodimoprim, ± sulfonamides, antibacterial activity, anaerobic bacteria 3320. ± sulfonamides, antibacterial activity, anaerobic bacteria 3320. Brome mosale virus, detection, immunodiffusion, wheat streak mosaic virus, Triticum aestivum, Hordeum vulgare 6757. host plants, British Isles 3960. infection, 2,4-dioxohexahydro-1,3,5-tnazine+guanidine antiviral activity, Hordeum vulgare 6886. Forme streak mosale virus, morphology, purification methodology, cytopathology, host range, Gramineae 7666. Bromelain, Psedomonas cocovenenans bongkrekic acid inhibition 2079. Bromide, uptake, Gramineae, vesicular-arbuscular mycorrhizas 5101. Bromine chloride, antiviral activity, poliovirus 2468. 5-Bromo-2'-deoxyuridine, 5-Bromo-2'-deoxyuridine, analogs, antiviral activity, herpes simplex virus 1, herpes simplex virus 2 5214. 3-Bromobenzolc acid, bacteria, dehalogenation, lakes, sediments 6648. Bromodeoxyuridine, varicella-zoster virus, cross-resistant, 9-(2-hydroxyethoxymethyl)guanine, phosphonoacetic acid 7897. 2-Bromoethanesuffonic acid, inhibition, methanogenic bacteria 513 Bromopenicillanate, inhibition, 9-lactamase, bacteria 3404. N-Bromosuccinimide, chemical modification hyplophan residues, histidine decarbovviase, Microsoccius and prodification hyplophan residues. 3rettanomyces custersli, cellobiose fermentation 4744 First Anomyces custersil, cellobiose fermentation 4744. Fettanomyces Intermedius, cellobiose fermentation 4744. Fractinomyces Intermedius, cellobiose fermentation 4744. Fravibacterium, epoxidation, propylene, metabolism 7462. growth, lysins biosynthesis, molasses effects on 7643. methylketone, production, association, alcohols 7460. suppressors mutants, L-lysine biosynthesis 4571. Fravibacterium ammonlagenes, ATP biosynthesis, adenine metabolism 7494. cell disruption, methodology glass beads 6337. drug sensitivity testing, association 5 -inosinic acid production 8776. immobilized cells, coenzyme A biosynthesis, continuous culture 1944. permeability mutants, inosinic acid biosynthesis enhancement, genetic factors 1847. acetic acid, metabolism, methanogenic bacteria 5136. chemical modification tryptophan residues, histidine decarboxylase, Micrococcus (E)-5-(2-Bromovinyi)-2'-deoxyuridine, denvatives, antiviral activity, herpes simplex virus 1, varicella-zoster virus 6073 inhibition, herpesvirus (bovine) 1, glycosylation, glycoproteins 6079. amovrai activity, varicella-zoster virus 5218. antiviral activity, varicella-zoster virus 5211. E-542-Bromoviny)-1-3-D-arabino furanosyluracil, antiviral activity, varicella-zoster virus 5211. S-Bromoviny-2-deoxyurdine, antiviral activity, Epstein-Barr virus replication 9688. antiviral activity, herpes simplex virus 1 infected cells, association thymidine knase 9685. antiviral activity, herpesvirus 5218. fatty-acid synthetase, quaternary structure, electron microscopy cross-linking, ultracentrifugation 2763. Srevibacterium divaricatum, ultracentrifugation 2763. Previbactarium divaricatum, biotin stimulation peptidoglycans biosynthesis 1957. peptidoglycans, N.M.R. 7441. Previbacterium flavum, furnarase, immobilized enzymes, carrageenans use 6472. fumarate hydratase stability, immobilized cells, carrageenans gels 7344. immobilization, use, carrageenans, fumarate hydratase activity 4494. Immobilizad cells, carrageenans, fumarate hydratase activity 7343. Iysine biocynthesis, nitrogen sources 3656. Iysine biocynthesis, nitrogen sources 3656. Iysine biocynthesis, continuous culture 2747. Previbacterium Iodifuum, biosynthesis, phenazine, phenoxazinone 7457. Previbacterium lactofermentum, amino acids production, whey 3655. Previbacterium Ilmens, biological control, antifutigal activity, fungi 2837. Previbacterium ilmens, biological control, antifutigal activity, fungi 2837. Previbacterium fluents, protein production, activated sludge 8932. Industrial effluents, wastewater treatment, pH effects on 4438. Industrial effluents, wastewater treatment, pH effects on 4438. Industrial effluents, systems, Pedicococus contamination, bactericides control 8966. Irewing, media (isolation), yeasts 4528. Bromus. rhabdovirus infection 2118. Bromus Inermis, disease resistance, brown spot, inheritance 6868. disease resistance, screening, leafspot, Pyrenophora bromi 9458. wheat dwarf virus infection 2120. Bromus tectorum, wheat dwarf virus infection 2120. Bronchitis, Enterobacteriaceae isolates, man, antibiotic resistance 1537. Broths, fermentation, ethanol separation 9238. Fibroporia angulopora sp.nov., Pseudotsuga menziesii 8650. fungi, Pinus palustris decay, fluorescence microscopy detection 4047. Momilinia fructicola, disease control, fungicides, orchards, Prunus persica 1405. Phytophthora citrophthora, disease control, citrus, fungicides, applications, methodology, comparison 8638. Phytophthora citrophthora, post-harvest decay, disease control, metalaxyl, fruits 1419.

wood decay 6936. wood supports, coal mines 6934.

Brown rust,

rown rust, disease control, nitrogen fertilizers, fungicides, Hordeum vulgare 5838. Hordeum, carbon translocation 6769. Inturents translocation, Hordeum vulgare 3939. Puccinia recondula var tritici, susceptibility, Triticum aestivum 3006. Triticum, germplasm screening, field trials, disease resistance development, India 5726.

Bipolaris oryzae, Bipolaris sorokiniana, mancozeb, resistance, Zizania aquatica

disease resistance, Bromus inermis, inheritance 6868

extracts, arruviral agents, vaccina virus 2005.

(titlah Isles, bacteria, antibiotic sensitivity testing 2463.

Brassica seed crops, incidence, Alternaria, Leptosphaeria maculans, surveys 4042.

clinical microbiology quality control 711.

cooling water, Legionella pneumophila incidence, antimicrobial agents effects on 1706. Enterobacteriaceae, urinary tract isolates, trimethoprim, drug resistance 6007

sterilization, breaming of the control of the contr

81

Subject Index Brown spot, (continued)
Drechslera oryzae, Drechslera sorokiniana, fungicides, treatment, Zizania aquatica 2272. Bursaphelenchus xylophilus, wilt, Pinus, disease control, pesticides uptake 5877. Butachlor, effects on Rhizoctonia solani, damping-off, Vigna unguiculata 9482. Helminthosporium oryzae, biological control, Streptomyces longisporus antagonism Helminthosporium oryzae, biological control, Streptomyces longisporus antagonism, Oryza sativa 4105.

Passiflora edulis, Alternaria alternata infection, charactenzation 399.

Physoderms maydis, disease control, tiltage, Zea mays 7736.

Pseudomonas syringae pv. syringae, pathogenesis, Zizania aquatica 9350.

Scirriha actocia, pathology, Pinus palustris 6910.

Septoria glycines, effects on, Glycine max, visions, relationship seeds color 5684.

Septoria glycines, Emperature, dew, effects on, pathogenesis, Glycine max 2105.

Brucella, antibodies, agglutination 4484.

brucellosis, cattle, abattoris, hygiene 8072.

cross-reactivity Yersinia, enzyme-iinked immunosorbent assay, brucellosis diagnosis, man 8143.

isolates, bacteriocinis production, USSR 2593.

Brucella abortus, Butane. Butane, production, anaerobic bacteria, catter production, anaerobic bacteria, catter production, pacteria fermentation 7505. bosymthesis, Kiebsiella pneumoniae, acetoin reduction 9232. isomers production, bacteria fermentation 7505. Kiebsiella pneumoniae, biosymthesis, cultural characteristics 8370. production, Kiebsiella pneumoniae, hydrolysis, hemicellulose 3739. production, Klebseilla pneumoniae, nydrofysis, nemicellulose 3739.

2,3-Butanedilone,
chemical modification glyceraldehyde-phosphate dehydrogenase arginine residues,
effects on physicochemical properties, kinetics, Saccharomyces cerevisiae 7352
chemical modification transketolase active sites arginine residues, effects on
kinetics, Saccharomyces cerevisiae 7355.
chemical modification transketolase, effects on kinetics, Saccharomyces
cerevisiae 6555. isolates, bacterioris production, USSH 2993. **Brucella abortus,**brucellosis, diagnosis, radioimmunoassay, complement fixation, indirect hemagglutination, cattle 4485. **lipopolysacchandes, antibodies purification 9914.** Lactobacillus production, pyruvic acid effects on 4721. Butanoi, utanoi, biosynthesis, Clostridium acetobutyricum, fermenters 119. biosynthesis, Clostridium bejlerinckii immobilized cells 4737. +isopropanol, +ethanol, fermentation, Clostridium bejlerinckii immobilized cells Ipopuysacurous content and the state of the 9241 production, Clostridium acetobutylicum 2865. production, Clostridium acetobutylicum, continuous culture 1037. production, Clostridium acetobutylicum, continuous culture, batch culture, nitrogen limitations 8393.

nitrogen limitations 8393.

production, Clostridium acetobutylicum, media (culture) effects on 2660.

production, Clostridium bejjennokii, Clostridium aurantibutyricum 2845.

production, pH effects on, Clostridium acetobutylicum 5658.

Silicalite, adsorption, Clostridium acetobutylicum, fermentation 4739. cattle 4485.

**Frunoomycta,

Actinomadura antibiotic sensitivity testing 6109.

**Fryophyllum catycinum,

crown gall, Agrobacterium tumefaciens superoxide dismutase activity 5013.

**Fryophyllum dalgremontlenum,

tissue culture, Agrobacterium tumefaciens binding, crown gall 2977.

**Fryophyta,

Fuligo intermedia infection, India, new records 2219.

**SC-1 cells,

cell fusion, role, herpes simplex virus 2 mutants 3271.

Bubblies. production. Clostridium acetobutylicum, use, Pinus radiata hydrolysates 8390. Buthlobate, role. Saccharomyces cerevisiae cytochrome P-450 inhibition 9488. Butirosin A Buttrot,
Heterobasidion annosum, Sparassis crispa, Calocera viscosa, pathology, association, bacteria, environmental surveys, marine environment, methodology Conferales 4179 Buckeye rot,
Phytophthora nicotianae var.parasitica, Lycopersicon esculentum, fertilizers content, nitrogen, phosphorus, potassium, effects on 9445. Butter, cold storage temperature effects on growth, coliforms, yeasts 8465, psychrotrophic bacteria contamination, lipase, off flavor 209. Juda, Chrysanthemum norifolium, development, effects on vesicular-arbuscular mycorrhizas formation, Glomus fasciculatus 4197. glycosides, markers, disease resistance, smut, Ustilago scitaminea, Saccharum officinale 9359. Malus domestica, powdery mildew, temperature effects on survival 1211. Malus purnila, firebilight, Envinia amylovora 1225. Vitis vinifera, powdery mildew overwintering 1270. Washingtonia, rot 1256. production, bacteria fermentation effects on proteins 4805, production, lactic acid bacteria starter cultures temperature 4802. production, lacine acid bacteria starter cultures temperature 4: Butylacetate, effects on, benzylpenicillin production 7148. Butylated hydroxyanisole, ± amphotencin B, antifungal activity, Candida albicans 6175. ambacterial activity 7094.

ambacterial activity 7094.

ambacterial activity, Staphylococcus aureus, electron transport system 6050.

antibacterial activity, Escherichia coli, Staphylococcus aureus, Candida albicans Buffaices, milk, contamination, psychrotrophic bacteria, spore-forming bacteria 7578. Buffers, effects on Aspergillus, growth, aflatoxins biosynthesis 5646 ± monolaurin, antiviral activity 700. utiers, samylase, β-D-fructofuranosidase, Chionochioa rigida grasslands soil, New Zealand 95c, phosphate, blood culture, sodium chloride, Legionella pneumophila 851, phosphates, hydrogen peroxide formation, electric currents, cytotoxicity, Escherichia coil 2451. t-Butylated hydroxyquinone, antimicrobial activity, Eschenchia coli, Staphylococcus aureus, propyl gallate 4319. Butylated hydroxytoluene, antibacterial activity 7084. effects on Aspergilius, growth, aflatoxins biosynthesis 5646. Bulbs,
Lilium, disease control, Fusarium oxysporum, quintozene+ferbam 1427.
Trichoderma harzianum treatment, +soil solarization, integrated control,
soil-borne diseases, Iridaceae 7768.
Tulipa, Iris, Rhizoctonia solani survival, storage conditions effects on 3973.
Bulcosamide,
anhifungal activity, dermatophyte fungi 9682.
Bulgecin,
interaction, β-lactam antibiotics, effects on, bacteria, morphology 2461.
Bullera,
enzymes, electrophoresis 7422 23-Butylene glycol, production, Bacillus polymyxa, Streptococcus faecalis 1040. Butylihydroxyanisole, antibacterial activity, Salmonella typhimurium. poultry 2035. Butyraldehyde, odors compounds, Pseudomonas, Bacillus, Corynebacterium 5580. Butyribacterium methylotrophicum, methanol conversion 9216. unera, enzymes, electrophoresis 7422. unchy top, Lycopersicon esculentum, new records, India 3042. viruses, disease transmission, Pentalonia nigronervosa, Musa paradisiaca 7677. bacteria, fermentation, mathematical models 9065. biosynthesis, thermodynamics, Pseudomonas aeruginosa 8201. carbon sources, Rhodopseudomonas capsulata, hydrogen production 7469. Clostridium acetobulylicum, effects on glucose fermentation 4726. substrates, Rhodopseudomonas capsulata, hydrogen production 8386. Bunt. Neovossia indica, Triticum aestivum, nitrogen, agricultural practices, effects on, incidence 1159. n-Butyric acid, antifungal activity, wheat post-harvest decay 441. ossia indica, Triticum aestivum, relationship bakery products properties Butyrivibrio, Neovossia indica, Triticum aestivum, screening methodology 6350. Tilletla controversa, disease control, fungicides seed treatments, Triticum cattle rumen microorganisms, media (isolation) use ribulosebisphosphate carboxylase 7243 inieua controversa, insease counto, iunigicioes seed treatments, Irricum aestivum 4110a, spores contamination, grain, Triticum aestivum 1329. Tilletia, Triticum aestivum 1196.

Triticum aestivum, Tilletia controversa, disease control, fungicides foliar applications 4111. Butyrolactone. Butyrolactone, biosynthesis, Streptomyces viridochromogenes, inducers 3443. derwatives biosynthesis, Aspergillus terreus 9223. Butyryl-CoA dehydrogenase, purification, characterization, Megasphaera elsdenii 8224. substrate analogs inactivation, Megasphaera elsdenii 1887. Bysacchiamys, patulin, incidence, Beta vulgaris roots feeds 1089. Bunyavirus, hemagglutination, proteins stabilization 3545.

Burn Infection,

C.D.

Di abomycin δ1, albomycin δ2, albomycin ∈ structure, Streptomyces 2573. antibiotics DNA complex 7971. bacteriorhodopsin secondary structure, purple membranes, Halobacterium halobiu 6393

6393.
macromomycin, auromomycin 2826.
molybdenum, tungsten containing formate dehydrogenase (NADP⁺), multiple form
Clostridium thermoaceficum 8280.
ribosomal protein L29, ribosomal protein L30 structure, Eschenchia coli 1838.
ribosomal proteins, ribosomal subunit 50S, Eschenchia coli 7298.
subtilisin conformation, Bacillus subtilisi 90.
subtilisin conformation, pl., urea effects on, Bacillus subtilisi 89.

82

isolates, Acinetobacter calcoaceticus, antibiotic sensitivity testing 1597. agricultural practices, soil microorganisms, population levels 9622. crop residues, soil, Cochliobolus sativus, vertical distribution, Triticum aestivum 9358.

disease control, Rhizoctonia solani, sheath blight, Oryza sativa, overwintering 4953. soil properties, effects on growth, mycorrhizas, Pseudotsuga menziesii, Tsuga heterophylla 520. wood, hungi infection, airborne microorganisms, effects of public health, man

Burrows,
Parastacoides tasmanicus, effects on soil microorganisms, respiration, peatlands

., (continued) hioredoxin folding, conformation, Escherichia coli 5463. ransketolase substrate specificity, Saccharomyces cerevisiae 7353. Calcium oxalate, (continued) Calcium oxide, Type virus,
ntectivity preservation, freeze-drying 1745. aicuum oxide, aquiculta practices, effects on incidence, Gaeumannomyces graminis var. tritici, take-ali, Triticum aestivum 9361. antibacterial activity, coliforms 9382. antibacterial activity, coliforms 9382. + nitrate + benomyl, integrated control, Fusanium oxysporum f.sp.lycopersici, wilt, Lycopersicon esculentum 4107. + nitrate + benomyl, integrated control, Fusarium oxysporum f.sp.lycopersici, wilt, Lycopersicon esculentum 4108. proteins, interspecific interactions, enzyme-linked immunosorbent assay 1760.

Natios,
association, wastes composting 4448.
association, wastes composting 4448.
Lycopersion esculentum 4107
+intrate + benomyl, integrated control, Fusarium oxysporum f.sp.
Lycopersion esculentum 4107
+intrate + benomyl, integrated control, Fusarium oxysporum f.sp.
Lycopersion esculentum 4108.
Calcium peroxide,
antimicrobial activity, coliforms 8982.
+intrate + benomyl, integrated control, Fusarium oxysporum f.sp.
Lycopersion esculentum 4108

Calcium peroxide,
antimicrobial activity, coliforms 8982.
+intrate + benomyl, integrated control, Fusarium oxysporum f.sp.
Lycopersion esculentum 4107
-intrate + benomyl, integrated control, Fusarium oxysporum f.sp.
Lycopersion esculentum 4107
-intrate + benomyl, integrated control, Fusarium oxysporum f.sp.
Lycopersion esculentum 4107
-intrate + benomyl, integrated control, Fusarium oxysporum f.sp.
Lycopersion esculentum 4107
-intrate + benomyl, integrated control, Fusarium oxysporum f.sp.
Lycopersion esculentum 4107
-intrate + benomyl, integrated control, Fusarium oxysporum f.sp.
Lycopersion esculentum 4108
-Intrate + benomyl, integrated control, Fusarium oxysporum f.sp.
Lycopersion esculentum 4107
-intrate + benomyl, integrated control, Fusarium oxysporum f.sp.
Lycopersion esculentum 4107
-intrate + benomyl, integrated control, Fusarium oxysporum f.sp.
Lycopersion esculentum 4107
-intrate + benomyl, integrated control, Fusarium oxysporum f.sp.
Lycopersion esculentum 4107
-intrate + benomyl, integrated control, Fusarium oxysporum f.sp.
Lycopersion esculentum 4108
-intrate + benomyl, integrated control, Fusarium oxysporum f.sp.
Lycopersion esculentum 4108
-intrate + benomyl, integrated control, Fusarium oxysporum f.sp.
Lycopersion esculentum 4107
-intrate + benomyl, integrated control, Fusarium oxysporum f.sp.
Lycopersion esculentum 4108
-intrate + benomyl, integrated control, Fusarium oxysporum f.sp.
Lycopersion esculentum 4108
-intrate + benomyl, integrated control, Fusarium oxysporum f.sp. Calcium peroxide, antimicrobial activity, relationship, seed treatments, Triticum aestivum 7773, 1998.
Soil microorganisms, respiration, decomposition, straw 6966.
wood, decay, Picea sitchensis, Tsuga heterophylla, forests 527.
icao,
swollen shoot virus,
cao swollen ahoot virus,
enzyme-linked immunosorbent assay detection, Theobroma cacao 7221. Calculator, use, most probable number, bacteria, aquatic environment 8139. Caldariomyces fumago,
chloride peroxidase, concentration effects on activity 4659.
chloride peroxidase isoenzymes, purification 2757. chloride peroxidase isoenzymes, purification 2757.

Calictivirus, [eces, defection, radioimmunoassay 9847. pathogens, heat inactivation, heat resistance, biological control, Amyelois transitiella 5549 enzyme-linked immunosorbent assay detection, The ictaceae, soft rot, Pseudomonas 1291, ictus virus X, isolates characterization, Hylacereus undatus 5019. Callistophus chinensis, plant diseases, Spiroplasma citri, disease transmission, Macrosteles fascitrons solates characterization, Hylacereus undatus 5019.
dang-cadang,
incidence, Cocos nucifera, Philippines 1208.
dang-cadang disease virold,
cadang-cadang, incidence, Cocos nucifera, Philippines 1208.
duflame,
caygenation derivatives, Cyathus stnatus 7463.
damlum,
+acid rain, pollution effects, viability, soil microorganisms 9509.
antibacterial activity, interaction radiosensitivity, Escherichia coli 7915.
Bacteroides susceptibility 681.
bloaccumulation, microorganisms, pollution effects 794.
effects on ammonification, nitrification, nitrifying bacteria, soil pollution
4238. yellows, mycoplasma-like organisms, antigens, detection, enzyme-linked immunosorbent assay, immunoelectron microscopy 8597. Callose, formation, plants, Phytophthora cinnamomi infection, host range 3901. formation, Zea mays, response, phytophthora cinnamomi, infection 3020. Caltura vulgaria, heaths, soil, fatty acids isolation, identification, phytotoxicity, antifungal neaths, soil, rating activity 5929.

heaths soil, microorganisms biodegradation production latty acids, antifungal activity, seasonal variations 5930. 4238. effects on entomycorrhizas, growth 3189.
resistance, R factors, Staphylococcus aureus 2403.
resistance, R factors, Staphylococcus aureus 2403.
sensitivity, association, antibiotic resistance, Escherichia coli plasmids 1536.
soli amendment, sewage studge, effects on soil microorganisms, growth 5988.
uptake, soil microorganisms 1489.
resultia axtillaris,
essential oils, antifungal activity, Helminthosporium oryzae 4297.
rifeir,
biodegradation, Pseudomonas putida, immobilized cells, characterization 1065.
enhancement, furazolidone antibacterial activity, Vibrio cholerae, Vibrio
parahaemolyticus 1560.
janua cajan, 423B deposition, role boron, disease resistance, tobacco mosaic virus, Nicotiana tabacum, Phaseolus vulgaris 1377. Nicotiana, production, phytuberin, phytuberol, association, Pseudomonas solanacearum infection 6845. Ruta graveolens-fungi mixed culture, acridone epoxides biosynthesis 7266. viruses disease spread, Chrysanthenum, Lycopersicon esculentum 5793. Callus culture, Centra currure,
Nicotiana tabacum, glycoproteins purification, aggiutination, Phytophthora
parasitica, Pseudomonas solanacearum 1351.
Solanum melongena, Mycoplasma infection 1302.
Calmodulin, enhancement, furazolidone antibacterial activity, Vibrio cholerae, Vibrio parahaemolyticus 1560.

Jenus cajan, asymptomatic infection, Fusarium oxysporum f.sp.ciceri 4938. colonization, saprophytes, Fusarium udum 5594. isolates, Rhizobium characterization 782.

Ieafspot, Alternaria, India 3926. mycoplasma-like organisms witches' broom incidence, USA, Florida, association, rhabdovirus infection 4945. ondules hydrogen release, Rhizobium japonicum nitrogen fixation 7858. plant breeding, disease resistance, Phytophthora drechsleri f.sp.cajani 5038. Rhizobium nodulation, yield, growth 966. httizosphere, germination, fungistasis 558. screening, disease resistance, wifi, Fusarium udum 1367. seed germination, Aspergillus effects on 7796. seed-borne fungi infection, isolation, identification 7650. wift, Fusarium udum, disease transmission, Isoptera 2987. latethee, leafspot, Drechslera setanae 9426. lictification, bacteria, calcium carbonate, caves 8711. lictum, activation adenylate cyclase, Bordetella pertussis 7349. Calocera viscosa, Calocera viscosa, but not, pathology, Coniferales 4179.

Calocybe indica, culture 3804

Calopogonium caeruleum, yield, nitrogen fixation. Rhizobium inoculation 9617.

Calopogonium mucunoides, cowpea severe mosaic virus infection 4930.

Calories, content, Linum usitatissimum seeds, Aspergillus niger, Fusarium oxysporum effects on 7729. content, Linum usitalissimum seeds, Aspergiiius riiger, rusanum varyound n. 7722. Calorimetry,
+fermenters, measuring techniques, microorganisms heat balance, in vitro 7215. glucose, metabolism, Vibrio alginolyticus, measuring techniques 1772. methodology, characterization, Saccharomyces cerevisiae, Saccharomyces carisbergeniss 7272. methodology, heat production, aquatic bacteria 8145. Saccharomyces cerevisiae ethanol fermentation, maintenance energy, biomass concentration 7528. concentration 7528.

Caloscypha fulgens,
penetration, pathogenesis, Picea sitchensis seeds 3174.

Calosporella inneall,
biodegradation, Acer pseudoplatanus, ecological distribution 4181.

Calvatia gigantes,
a-amylase production, characterization, culture methodology 2772.
Calyptella campanula,
root rot, Lycopersicon esculentum, new records 4026.

Camellia sinemals,
anthracnose, Gloeosporium theae-sinensis 4014. offlects on enotase substrates binding, N.M.R., yeasts 6544.

effects on, Pencillium expansium, post-havest decay, Malus domestica 8598.

effects on, licardilin± tobramycin, antibacterial activity. Pseudomonas aeruginosa 754. endonuclease deoxynucleotides inhibitors complex, conformation, N.M.R., endonuclease deoxynucleotides inhibitors complex, conformation, N.M.R., Staphylococcus aureus 7395. levels, granules, mycorrhizas, Fagus 6973. retationship Laetisaria fuciformis infection, Lolium perenne 9357. supplementation, single-cell protein, yeasts, feeding trials, chickens 9285. Iclum alginate, gleuconic add biosynthesis 5467. immobilized cells, Lactobacillus vaccinostercus sp.nov., lactic acid biosynthesis 4567. Camellia reticulata, susceptibility, dieback, canker, Glomerella cingulata, pathology 2190. CAMP protein, production, Streptococcus agalactiae growth, fermenters 6398. immobilized cells, Lactobacillus vaccinostercus sp.nov., lactic acid biosynthesis 4565.

Iclium carbonate, naves, bactena, calcification 8711.

Iffects on, pathogenesis, clubroot, Plasmodiophora brassicae, Cruciferae 4255.

Iffects on Plasmodiophora brassicae clubroot, crop fields 314.

Soil amendment, effects on Rhizobium, nodulation, yield, Giycine max 9582.

Iclium chloride,

Issease control, Pencillium expansum, post-harvest decay, apples 5798.

reservatives, tissues color, association, viruses infection, plants 2093.

Iclium fluoride,

ransformation, dental caries prevention, man 814.

Iclium gluconate.

Iclium gluconate.

Iclium hydroxide,

Iclium hydroxide,

Iclium gluconaterative materials, antibacterial activity, Streptococcus sanguis 6052.

Soil amendment, effects on nitrogen fixation, nodulation, Elaeagnus umbellata 1506. Campylobacter, aerobic conditions tolerance, media (culture) 5400. clinical isolates, antibacterial activity, ceftazidime, cefotaxime, moxalactam 436b. disease transmission, role, milk, reviews 211. food contamination, isolates 192. food poisoning, association, temperature, epidemiology, British Isles 3828. media (isolation), microenvironments, aerobic conditions, methodology 9979. norfloxacin antibacterial activity 7057. norfloxacin antibacterial activity 7057.
plasmids, isolation, methodology 5423.

Campylobacter coll,
milk, survival, temperature effects on 189.

Campylobacter fetus,
media (transport) 2694,
norfloxacin, gastrointestinal tract, clinical isolates, antibacterial activity

2455

2455.
toxicity, food contamination, man, reviews subsp.jejuni 173.
Campylobacter fettus subsp. jejuni,
food contamination, meat, animals carcasses 1090.
Campylobacter fettus subsp.fettus,
most probable number, food contamination, poultry, milk 231.
survival, curing, cheddar cheese 2032.
Campylobacter fettus subsp.intestInalls,
antibacterial activity, rosaramicin, erythromycin, clindamycin 8863.

soil amendment, effects on nitrogen fixation, nodulation, Elaeagrius urmeliala 1506.

Iclum nitrate, steets on, disease resistance, powdery mildew, Erysiphe graminis, Triticum aestivum, Hordeum vulgare 378.

offects on, root rot, Phytophithora cinnamomi, Persea indica 2147.

Iclum oxalete, roots, mantles, Eucalyptus marginata, Pinus radiata, association, ectomycorrhizas symbiosis 4211.

occurrence, nutrient dynamics, microorganisms, decomposition, forests, Eucalyptus

83

Campylobacter fetus subsp.intestinalis, (continued)
survival, skim-milk, beef, temperature, pH effects on 217.
Campylobacter fetus subsp.jejuni,
anibacterial activity, bicyclomycin 2895.
anibacterial activity, osiarifectaris 5 169.
ascorbic acid, inhibition, growth 3327.
clinical isolates, anibitious esnativity testing, kanamycin, gentamicin,
chloramphenicol, nalidioic acid, clinidariycin 6099
contamination, meta, public health survivas 1081.
drug sensitivity, urkeys, 108.
drug sensitivity, urkeys, 108.
drug sensitivity, urkeys, 108.
drug sensitivity, urkeys, 108.
drug sensitivity, assetucion, sensitivity, urkeys, 108.
drug sensitivity, assetucion, sensitivity, sensitivity, assetucion, sensitivity, assetucion, sensitivity, nordenoe, food contamination 2055.
entertis, man, piodenoilogy, Sweden, food contamination 2055.
entertis, man, piodenoilogy, Sweden, food contamination 2055.
entertis, streams, drinking water 6260.
enumeration methodology, aquatic environment 2676.
food contamination, bickens, abattoris 2925.
food contamination, bickens carcasses 1082.
food contamination, bickens carcasses 1082.
food contamination, poultry, incidene 3840.
food contamination, poultry, incidene 3840.
gastroenteritis, food posioning, man 2040.
gastroenteritis, food posioning, man 2040.
gastroenteritis, food posioning, man 2040.
solation, cow's milk, cattle 4799.
isolation, media (enichment) 9936.
isolation, media (enichment) 9936.
isolation, media (enichment) 9936.
media (eniture) 3994.
media (eniture) 3994.
media (eniture) 3994.
media (eniture) 3994.
milk, survival, temperature effects on 189.
ninicod meal 1071.
mrophology molitily, viability, ferrous sulfate, sodium metabisulfite, sodium pruvate, media (culture) 3974.
survival, skim-milk, beef, temperature, pH effects on 217.
Campylobacter nitrofigilis ap Candida albicans, (continued) andida aidicans, (continued)
antifungal activity, pentachloronitrobenzene metabolites 8789.
antifungal activity, polyene antibiotics, imidazoles, association endocarditis
7935. survival, skim-milk, beef, temperature, pH effects on 217.

antibacterial activity, bicyclamyon 596
assorbic acid, inhibition, growth 3327.
drug sensitivity testing 4292.
drying, survival, surfaces, santation 807.
drying, survival, surfaces, santation 807.
anteritis, clinical isolates incidence, man 973.
anteritis, clinical isolates incidence, man 973.
anteritis, clinical isolates incidence, man 973.
anteritis, streams, dinking water 6260.
anteritis streams, antifungal activity, silver nylon fabrics 3371 Phaseolus vulgaris, Colletotrichum lindemuthianum anthracnose epiden Populus, rust, epidemiology 4170.
Pseudotsuga menziesii, Phaeocryptopus gaeumannii infection 7785.
Solanum tuberosum, potato virus S infection 4017.
Canarium schweinfurthil, bark, biodegradation, thermophilic fungi 550.
Canavalla Kauenals, leafspot, Septoria molleriana 4990.
Cancer patients, bacteria, clinical isolates, antitumor agents, antimicrobial activity 9675.
Candida, n-alkanes metabolism 5996. Candida brassicae,
continuous culture, biomass production, computer applications 8167. Candida brassicae, continuous culture, biomass production, computer applications 8167.

Candida cylindracea, thacylgiverol ipase, immobilized enzymes, triacylgiverides hydrolysis 5501.

Candida freyschuseii, cellobiose fermentation 4744.

Candida guilliermondili, asparaginase stability, freezing, drying 7333.

autolysis, alkanes effects on 7867.

celli walis, high molecular weight glycoproteins, hydrocarbons effects on 7868.

continuous culture, association, pH, temperature 2725.

drug tolerance, oral microflora, man 4271.

extracts, purification, characterization, antibacterial activity 3317.

hydrocarbons utilization 7866.

paraffin metabolism, continuous culture 2390.

snello-celli protein production, nutrient sources, molasses, wine fermentation sediments 5628.

Candida the selements effects on 3817.

Liditol fermentation 9248.

nutrient uptake, fermentation 128.

Candida krusel,

acidity, heat inactivation, fruit juices 5636.

cytochrome c, heme iron coordination geometry, N.M.R. 3643.

drug tolerance, oral microflora, man 4271.

Geotrichum candidum, Hansenula anomala, mixed culture, protein biosynthesis, whiskey distilleries wastes 15.

heat inactivation, fruit juices 2039.

single-cell protein production, nutrient sources, molasses, wine fermentation sediments 5628.

Candida lipolytica,

acetyl-CoA synthetase isoenzymes, purification, characterization 8222.

continuous culture, sea water 8089.

purification, characterization, 7-bacetylserine (thiol)-lyase 6406.

respiration, characterization, 4744.

calidiza batuse.

cellobiose fermentation, 4744. Candida cylindracea Candida melibiosica, cellobiose fermentation 4744.
Candida obtusa, cellobiose fermentation 4744.
Candida obtusa, cellobiose fermentation 4744.
Candida obtusa, cellobiose fermentation 4744.
Candida obeophila, alkanes nutrient sources, biomass production, fermenters 7535. biomass production, n-alkanes utilization 5993.
Candida perspectiones, amphoterioin B 3308.
dianyl cities of the selection of antifungal activity, N,N'-bis(decylmethyl)-α,ω-alkanediamine dioxides antifungal activity, naphtho(1,2-3)-thiazoles derivatives 7092.

ida pseudotropicalis, (continued) duction, biomass, β-D-galactosidase, whey utilization 8307

duction, biomass, β-D-galactosidase, whey utilization 8307. Idea rugose, a community of the state of the sta

g tolerance, oral microflora, man 4271 |
ildea tenule, onellal conversion 3769, |
Ildea tropicalis, |
Ild

IZ74.
Ilda utilis,
mpounds reduction 7281
mentation induction, factors affecting 8400.
mentation induction in factors affecting in factors in factors affecting in factors in fa

1731.

Di kinase, purification, characterization 62.
hia pastoris, amine oxidase (flavin-containing), physicochemical properties ormparison 8240.
Saudomonas, mixed culture, mesquite wood, cattle feeds production 4866. pipration, fermentation heat, carbon sources 145.
mpicin effects on physiology 8859.
A, isolation, ion-exchange chromatography 5480.
ts like flavorings, use food 4780.
Is like provings, use food 4780.
Is l

ne distemper virus, ancurus (canine), parvovirus (canine), parainfluenza virus, Leptospira, secterins, vaccines, immunogenicity, dogs 8924. igens, immunoglobulin G, detection, enzyme-linked immunosorbent assay, nethodology 5369. nbined vaccines, antibody response, dogs 3449.

noined vaccines, ariibody response, oogs 3449.

er,
es concolor, temperature effects on 4157.
es concolor, temperature effects on 4157.
es concolor, temperature effects on 4157.
ryosphaeria dothidea, orchards 1223.
ryosphaeria dothidea, trumigants disease control, Malus pumila 492.
riandrum sativum, pathophysiology, Protomyces marcosporus role 7711.
nartium ribicola, spatial distribution, environmental factors, Pinus monticola
146.

honectria cubensis, disease resistance, role, Eucalyptus phenols 5814, phonectria cubensis, disease resistance, role, Eucalyptus phenols 5814, ptosporiopsis. Acer rubrum, vector-borne diseases relationship Oecanthus ngustipennis 9524.

Sepora kunzei, Picea pungens, drought effects on 5079.

eback, Rhizosphora, Gambia 1454.

Othia parasitica, disease transmission, role, Acarina, Castanea dentata, USA, irignia, USA, West Virginia 6925.

Irignia, Carica papaya, symptoms, Achotina fulica vectors, Mariana Islands 1222.

nation, Phellinus pini var.pini, Phellinus pini var.cancriformans, Abies oncolor, Abies balsamea 538.

ditsia triacanthos, pathogenesis 1460.

menerilla cingulata, susceptibility, Camellia reticulata, pathology 2190.

mmeniella abietina, Pinus sylvestris survival, reforestation drought 5074.

hosylon atropunctatum, Quercus mortaliny, association drought 5074.

honellula willkommii, Lark lancina 1465.

hnellula willkommii, Lark lancina 1465.

Canker, (continued)

Janker, (continued)

Lycopersicon esculentum, pathogenesis, Corynebacterium michiganense subsp. michiganense, yield 8579.

Lycopersicon esculentum, pathogenesis 1212.

Monochaetia unicornis, Cupressus lustanica, incidence, Kenya 4151.

Nectria cinnabarina, Gleditisia triacanthos, association roids pruning 9525.

Nectria cinnabarina, gathology, Gleditisia triacanthos 2314.

Nectria galliigena, Pezicula malicoriticis, Phytophthora cactorum, Stereum purpureum, disease resistance, Malus pumila 1357.

Phomopsis elaeagni, Elaeagnus angustifolia, incidence, USA, Michigan 9522.

Phytophthora palmivora, maneb, chlorothalonii disease control, Carica papaya 5058.

Phytophthora palmivora, Theobroma cocoa, metalaxyl treatment, disease control 1417.

Pseudomonas syringae pv.syringae, disease control, furnigation, Prunus domestica 5743.

57/43.

Rosa, disease control, fungicides 1410.

Seindium cardinale, pathology, Cupressus sempervirens var.stricta, Cupressus sempervirens var.horizontaiis 5969.

Synchytrium, Cucumis melo var.amanordica, pathogenesis 6782.

Synchytrium, Sesamum indicum, pathogenesis, ultrastructure 9439.

Synchytrium trichosanthidis, Cucumis melo var.manordica, anatomy analysis 3976. Xanthomonas campestris pv.citri, pathology, Citrus 5741 Cannabis sativa,

cigarettes, contamination, fungi, actinomycetes 8172.

meat, disease control, bacteria, fungi 3907. preservatives, emulsifiers, antibacterial activity, anaerobic bacteria 255. Canned products,

Geotrichum food contamination, counting methods 4776. Canning.

canning, tood processing, rice, food contamination 256. food processing, sterilization 258. food processing, sterilization 258. mushrooms, heat transfer, inactivation Clostridium botulinum spores 1093, sterilization, heat transfer 2059. formatioes, juices, sterilization, baths 262. Canoples.

Cantaloupes, forests, soil microorganisms, effects on nitrogen cycle 512. Cantaloupes, post-harvest decay, fungi, control, use, benomyl+guazatine 6835. post-harvest decay, fungi, disease control, fungicides 1399.

Capillary, glass, bacteria deposition, mathematical models 9884. Capnocytophaga, N-acylaminosulfonates, purification methodology 4509, media (selective), blood culture, agar 9906. periodontal diseases isolates, antibiotic sensitivity testing 3376. taxonomy, identification keys, computer programs 843.

Capreomycin, drug resistance, Mycobacterium tuberculosis, clinical isolates, Korea Rep. 9656. Caprylanillide, derivatives, antibacterial activity 9665.

Capsicum, Capsic

Capsicum annuum,

Apsicum annuum,
Alternara alternata infection, penetration mechanisms 2215.
blight, Choanephora cucurbitarum, Pathogenicity 4004.

× Capsicum chinense, disease resistance, genetic relationship, disease tolerance, pepper mottle virus 4093.

cucumber mosaic virus, induction, inclusions, morphogenesis 8573.

cucumber mosaic virus isolation, identification 3036.

disease resistance, tobacco mosaic virus 3109.

growth, yield, Glomus fasciulatus vesicular-arbuscular mycorrhizas inoculation effect on 4227.

melction, potato virus Y notato virus Y

effect on 4227 infection, potato virus X, cucumber mosaic virus 7698. Infection, potato virus Y, potato virus X, cucumber mosaic virus 7698. Ieatspot, Xanthomonas campestris pv.vesizatoria, disease resistance 7742. necrosis, Pseudomonas syringae pv.tomato, etiology 3065. pepper vein banding virus infection, epidemiology 3024. Phytophtora capsic infection, epidemiology 5792. role, phytoalexins, latent infection, dipmerella cingulata 4070. scab, Xanthomonas campestris pv.vesicatoria, pathology 8575. seeds microflora, fungicides effects on 5832, spot, pathogenicity, Xanthomonas vesicatoria races 1309, spot, xanthomonas campestris pv.vesicatoria 7696. applicum chinense,

spot, Xanthomonas campestris pv.vesicationa 7699.

Zepsicum chinemse,

× Capsicum annuum, disease resistance, genetic relationship, disease tolerance, pepper mottle virus 4093.

Capsicum frutescens,
mosaic disease, potato virus Y, epidemiology 3032.
rot, Glomerella cingulata, association, iron 3999.

+ Verticilium dahiles infection, plant extracts, antifungal activity,
Cladosporium cucumerinum 6877.

Capsules,
3-deoxy-D-manno-octulosonic acid containing polysaccharides, Escherichia coli,
structure 9191.

structure 9191.
Haamophius influenzae, polysaccharides, carbohydrate composition, N.M.R. 7438.
Klebsiella, polysaccharides, oligosaccharides prification 8335.
Klebsiella, polysaccharides, structure 9197.
Neisseria meningitidis, polysaccharides structure 4701.
polysaccharides, Haemophilus influenzae, association cotrimoxazole tolerance 1562.

1952:
polysaccharides, Rhizobium japonicum, role nodulation Glycine max 3237.
Rhizobium, polysaccharides structure 7437.
Rhizobium throfili, binding lectins, rosto sexudates, Trifolium repens 1508.
Streptococcus pneumoniae, polysaccharides, structure 6579.
Streptococcus pneumoniae, polysaccharides, structure 9195.
Capitalo, additional additional polysaccharides, structure 9195.

antifungal activity, in vitro, Phytophthora palmivora 5824, disease control, blight, Nectria cinnabarina, Malus pumila 4120. disease control, leafspot, Apium graveolens 4098.

Captafol, (continued)
disease control, leafspot, Pestalozzia palmarum, Helminthosporium, Cocos nucifera

1391.
effects on seeds microflora, Capsicum annuum 5832.
Entomophthoraceae infection, Aphis fabae, effects on 489.
+paints, disease control, Chondrostereum purpureum, wound infection, Prunus arimeniaca, Prunus avium 8629.
pophylaxis, treatment, Phylophthora palmivora infection, orchards 5828.
Captan, and freatment, Assaranue efficientalis storace 4131.

1391

1391.
disease control, orchards, Malus 6874.
disease control, Rubus idaeus, fungr 487.
effects on seeds microffora, Capsicum annuum 5832.
foliar applications, effects on rhizosphere microorganisms, Cicer arietinum 4254.
prochioras, comparison treatment, Montinina fructicola infection, Prunus persica
benomyl resistance 5719.
resistance, Bottytis cinerea 1531.
seed treatment, Lolium perenne yield 5847.
use, leafspot disease control, Dioscorea dumetorum 5061.
antiaphol.

Captaphol, use, leafspot disease control, Dioscorea dumetorum 5061.

Carabidae, habitat selection, role olfactory stimuli, soil microorganisms 9532

Carbadox, drug resistance, R factors, host range, Escherichia coli, animal isolates 7038.

Carbamete kinase,
Pseudomonas aeruginosa, purification, function, regulation 37.
Carbapenem,
denvatives, in vitro, antibacterial activity, Proteus vulgans, Citrobacter
freundi 1650.

derivatives, production, Streptomyces, isolation, physicochemical properties

1649.

1649.

Carbapenern RS-533,
synthesis, antimicrobial activity 9793.

Carbapenems,
antibacterial activity 2506.
antibacterial activity, Pseudomonas aeruginosa, in vitro, in vivo 6216.
chemical modification 6215.
thun-layer chromatography 9712.

Carbaryl, biodegradation, nitrifying bacteria, inhibition nitrification 1063. inhibition, nitrification, Pseudomonas, Nitrosomonas, Nitrobacter 7007. pesticide residues, soil microorganisms biodegradation, nutnent requirements, flooded soils 9620.

Tooled Solls 9620.

Carbazole,
derwatives, antibacterial activity, antifungal activity, Escherichia coli,
Staphylococcus aureus, Candida albicans, Aspergillus niger 7961.

Carbazomycin A,
Streptovericillium ehimense, biosynthesis 8906.

Carbendazim,
disease acontrol bin vein disease latture bin vein virius larture satir

disease control, big vein disease, lettuce big vein virus, Lactuca sativa 6889. disease control, Gaeumannomyces graminis var.tritici, take-all, Triticum aestivum

ase control, white rot, Coriolus versicolor, pruning wounds, Malus pumila

6873

of 3.

effects on seeds microflora, Capsicum annuum 5832.
soil amendment, effects on soil microorganisms, fungi 2379.
specificity, cell cycle, Schizosaccharomyces pombe 690.

Carbenicillin,

artibericitiir, active site, detection, characterization 2548. active site, detection, characterization 2548. + aminoplycoside antiblotics, antiboacterial activity, Pseudomonas 1619. antiboacterial activity, Pseudomonas aeruginosa 6128. antiboacterial activity, Pseudomonas aeruginosa, N-acetyl cysteine effects on antiboacterial activity.

5281
antibiotic resistance, Pseudomonas 2393.
antibiotic resistance, Pseudomonas aeruginosa 7023.
antibiotic resistance, Pseudomonas aeruginosa 7023.
antibiotic resistance, Pseudomonas aeruginosa, β-lactam antibiotics anti

+ gentamicin, antibiotic synergism, antiviral activity, Pseudomonas aeruginosa 7128. +β-lactam antibiotics antibacterial activity 3314

+midecamycin, antibiotic synergism, antibacterial activity, Pseudomonas aeruginosa 1669.

aeruginosa 1699
resistance, population studies, Escherichia coli, Enterobacter cloacae 629.
Salmonella clinical isolates, antibiotic sensitivity testing 6112.
[1-(Carbethoxyamidino)-O-alitylisouree icopper(II),
derivatives, antifungal activity, curvulana, Aspergillus niger, Fusarium,
Alternaria solani 5205.
Carbocyclic 3-deazadenosine,
effects on rhabdovirus replication 6068.
Carbotyclic Carbotyclic.

Carbofuran,

arboturan,
effects on, rhizosphere microorganisms, Rhizoctonia solani, Verticillium
ailoo-atrum, wift, Solanum tuberosum 1512,
paddy fields soil, effects on nitrogen fixation, heterotrophic bacteria 619,
pesticide applications, pesticide residues, soil characteristics, effects on soil
microorganisms 8705,
pesticide applications, soil, disease transmission, maize chiorotic dwarf virus,
maize dwarf mosaic virus, vectors, Graminella nigrifrons, Rhopalosiphum maidis
7724

Carbohydrate composition,
Agrobacterium radiobacter. Polysacchandes 7710.
Allium cepa, white rot, Scierobum cepivorum 5760.
antitumor agents, Lentinus edodes 1963.
carminomyons, sopatial distribution 1657.
extraceliular polymers. Pseudomonas, Azotobacter, Achromobacter 1958.
extraceliular polymers, Pseudomonas, Azotobacter, Achromobacter 1958.
extraceliular polysacchandes, Streptococcus mutans, Streptococcus sanguis 832.
Haemophilus influenzae polysacchandes, N.M.R. 7438.
Hansenula polymorpha, association, carbon dioxide recycling, nutrient
requirements, relationhip, space flight, food, man 8496.
Hordeum vulgare, association, disease resistance, powdery mildew 6857.
Hyphomicrobium, extracellular polymers, polysacchandes 3710.
a lipopolysaccharides, Pseudomonas 9557.
Microeliobosporia grisea polysacchandes, antitumor activity, Ehrlich ascites
tumor, rats 6586.

Microellobosporia grisea polysaccharides, antitumor activity, Ehrlich ascites tumor, rats 6586.

Pencilium funiculosum dextranase 7340.
phosphorylation, correlation β-D-fructofuranosidase polymorphism, isoelectric focusing, Saccharomyces cerevisae 65.
polysaccharides, antitumor agents, Microellobosporia grisea 6587.
polysaccharides, antitumor agents, Microellobosporia grisea 6587.
polysaccharides, Rinizobium mellioti 6574.
proteinase, Bacillus mesentencus 5522.
Shigelia dysentenae, polysaccharides, immunochemistry 7439.
sulfur polysaccharides, Arthrobacter 2818.
Carbohydrate metabolism, enzymes, punification, characterization, kinetics, books 5445.
Carbohydrate-degrading bacteria, rumen microorganisms, biodegradation, cotton, pretreatment, ozone, sodium hydroxide 1062.
Carbohydratese,

arbohydrates,
antogens, Legionella, enzyme-linked immunosorbent assay 6307.
composition, association, cellulose biodegradation, fungi 3787.
composition, association, cellulose biodegradation, fungi 3787.
conversion, ethanol production, Saccharomyces 4738.
digestibility, animals, feeding trials, fungi, yeasts 3853.
effects on cellulose digestion, rumen microorganisms pure culture 8425.
effects on cellulose hydrolysis, cellulolytic microorganisms 7547.
effects on fungi patulin antibacterial activity, Streptococcus bovis 273.
Helianthus tuberosus, ethanol, role yeasts 2389.
hydrolysis, ~D-glucosidase, fungi, bacteria 7431.
levels, fruits, apple mosaic virus effects on, Malus pumila 8562.
metabolism, lacto acid bacteria, reviews 9125.
metabolism, leaves, Cucumis sativus, Sphaerotheca fuliginea infection, effects of 1273.

metabolism pathways, tricarboxylic acid cycle, bacteria, enzymes 123. nutrient sources, liquid culture, growth, Beauveria başsıana, Metarhizium anisopilae 4535.

anisopiiae 4533.
Rhizobium lupini, cell walls, chemical extraction, methodology 2700.
straw, biodegradation, fungi 8442.
4-O-Carbomethoxylamellicolic anhydride,
Verticillium lamellicola, characterization 8378.

Carbomycin

effects on Escherichia coli aminoacyl-tRNA hydrolase, dissociation, ribosomes 1630 Carbon,

association, bacteria growth, water treatment 8069. biodegradation, soils (volcanic), soil microorganisms 159. compounds exudates, Sorghum bicolor seedlings roots, nitrogen-fixing bacteria inoculation 4243.

deficiency, association, Aspergillus candidus extracellular proteolytic enzymes biosynthesis 1933.

busyntinesis 150, parts lignin biodegradation 5599. lincorporation, soil, plants lignin biodegradation 5599. limitations, Kloeckera growth, assimilation enzymes biosynthesis, methanol concentration 6552. mineralization, tillage, effects on, soil properties, microorganisms, biomass

2359
nutrient dynamics, Rhizobium, hydrogen production, Vigna unquiculata 4247.
+phosphorus bonds, Streptomyces hygroscopicus bialaphos biosynthesis 2824.
+phosphorus bonds, Streptomyces hygroscopicus bialaphos biosynthesis 2824.
producton, leaf litter decomposition, bacteria, Fagus sylvatica, coniferales,
association, climate 2021.
soil amendment, effects on enzymes activity, soil microorganisms 5927.
source, activated sludge denitrification kinetics 5298.
translocation, Hordeum, brown rust 6769.
uptake, Alium porrum, Glomus mosseae symbiosis 1471.
utilization, Rhizobium isolates, Cajanus cajan, Cicer arietinum 7821.
arbon (activated).

Carbon (activated), ocin adsorption, association purification 6230.

novobicotin adsorption, association purification 6230.

Carbon dioxide, association, methodology, detection, Neisseria gonorrhoeae 2693, asociation, methodology, detection, Neisseria gonorrhoeae 2693, atmospheric conditions, effects on methanogenic bacteria, methanogenesis 871 climatic change, pollution effects, nutrient cycles, soil microorganisms 9563, concentration, effects on Rhizobium meiliotin throgen fixation, nodulation, Medicago, bacteria food contamination, I.R. radiation use 4851, effects on enythromycin antibacterial activity 3420, effects on growth, ethanol fermentation, yeasts 141, effects on heart rot, sap rot, wood decay 5084, effects on Staphylococcus aureus micrococcal endonuclease biosynthesis 9182 effects on toxins biosynthesis, Clostridium botulinum 5658, enrichment effects on Rhizobium japonicum, nitrogen fixation, Glycine max 4244 evolution, Candida intermedia, fermentation 128, formation, 2,4-D, degradation, mineralization, bacteria, soil 5909, gas production, gas chromatography, fungi, decomposition, wood, Fagus sylvating sponduction, Japan soil, temperature, dissolved organic carbon, effects on effects on gas production, Japan soil, temperature, dissolved organic carbon, effects on

gas production, Japan soil, temperature, dissolved organic carbon, effects on

coos.

inhibition ethanol production, yeasts, immobilized cells 8397.
inhibition, Pseudomonas fluorescens, association meat packaging, spoilage 761
levels, effects on Bacteroides corrodens, antibiotic sensitivity testing 2507.
levels, storage conditions, Pseudomonas marginalis soft rot, post-harvest decay

rbon dioxide, (continued) tomatoes 9453. evels, vertical distribution, iron-oxidizing bacteria, reclaimed land, coal

evels, vertical distribution, increbatorizing solutions, vertical distribution, increbatorizing solutions, see immers 9561 monitoring, fermentors, computer applications 5361, packaged food, cold storage, poultry, lactic acid bacteria spoilage 6686, packaging, Enterobacterizioneae, Lactobacilius, spoilage, meat 4879, packaging, potatoes, spoilage, psychrophilic bacteria 4883, production, Corynebacterium, relationship, glutamic acid fermentation association.

growth 6381. production, relationship Zymomonas mobilis ultrastructure, glucose utilization

growth 6381.

gr

binding cytochrome c multiple forms, purification, characterization, Nitrosomonas europaea 5479.

Gytochrome C 551 binding kinetics, Pseudomonas aeruginosa 4556.

oxidation, bacteria, air pollution 9795.

ncesc.

ribbn monoxide dehydrogenase,
purification, characterization, Acetobacter woodii, companson, Clostndium
thermoaceticum 8262.
purification, characterization, Clostndium thermoaceticum 2769.

putrication, characterization, Clostridium thermoaceticum 2769. **irbon sources**, **Azosprillum**, Enterobacter, Klebsiella, Pseudomonas, factors affecting acetylene reduction 4244. competition, Lollum perenne, vesicular-arbuscular mycorrhizas, Gigaspora margarita 564. ectomycorrhizas, absorption, nutrient transport, trees 9505. **effects** on Acremonium chrysogenum, cephalosporin C, proteinase, biosynthesis 6140.

enects on Acremonium cnrysogenum, espiraiosporin C, proteinase, piosyni 6140. effects on biochemical oxygen demand determination 9802. effects on, biosynthesis, triacylglycerol lipase, Geotrichum candidum 102. effects on, Kluyveromyces fragilis, inulinase production, continuous culture

2813.

effects on Nocardia fructiferi biosynthesis, ristomycin, proteinase, pigments

effects on Nocardia fructiferi biosynthesis, ristomycin, proteinase, pigments 2590.

effects on Rhodotorula gracilis lipids biosynthesis 7464.

effects on secretion, polymethy delacturonase, polygalacturonase, polygalacturonase trans-eliminase, Xanthomonas campestrs 5508.

effects on Trichoderma longibrachiatum, cellulase, endo-1.3-β-D-xylanase, polygalacturonase, production 3678.

effects on valine production, Micrococcus varians 7286.

fungi, phosphate solubilization, soil 9533.

fungi, respiration, fermentation heat 145.

gelatin hydrolysis, proteinase, Aspergillus sojae 8309.

Geetrichum candidum, tracyglygerofi lipase production 7320.

glucose+molasses, Saccharomyces cerevisiae production 3806.

hydrocarbons, Arthrobacter simplex single-cell protein, nutritive value, rats 7597.

modustrial wastes, denitrification, denitrifying bacteria 3473.

7597.
Total vastes, denitrification, denitrifying bacteria 3473.
metabolism, activated sludge, mathematical models 5303.
metabolism, veasts, soil isolates 5897.
oil cake, Bacillus licheniformis, α-amylase production 1850.
photosynthesis, competition, Claviceps purpurea sclerotia, infection, Secale
cereale seeds 374.
photosynthesis, Glycine max, energy budget, utilization, Rhizobium, nitrogen
fixation 9603.
soil bacteria, seeds germination exudates 551.

photosynthesis, Glycine max, energy budget, utilization, Rhizobium, nitrogen fixation 9603
soil bacteria, seeds germination exudates 551.
soil dentrification, relationship 613.
Spirulina maxima, use digestion (anaerobic), methanogenesis 625.
Vicia faba, photosynthesis, utilization, mycorrhizas, Rhizobium, nodulation, nitrogen fixation 615.
yeasts, effects on citric acid biosynthesis 7309.
yeasts, effects on citric acid biosynthesis 7309.
yeasts, effects on citric acid biosynthesis 7309.
yeasts, soil microomonospora chalcea tetrocarcin biosynthesis 8905.
abelling, soil microorganisms biomass, degradation 2339.
yebonate dehydrataee, sulfonamides, inhibition, bacteria, reviews 8756.
yebonated beverages, zontamination, Clostridium thermoaceticum, Desulfotomaculum nigrificans 8457.
yebonolate, resultant production, Gramlineae 4114.

reatment, pythium infection, Gramineae 4114. rbonyl aulfide, cheese flavor, ripening, Cheddar cheese 9272. rboxamides,

effects on, growth, sclerotia, formation, Sclerotium rolfsii 4302.

irbostin, activity, Choanephora cucurbitarum 4004, annifungal activity, Choanephora cucurbitarum 4004, annifungal activity, Rhizoctonia solaini, infection, Gossypium 4122, biologica/dation, Nocardia 4763, esistance, yeasts 7908.

Carboxy-pergna-1,4-dlen-3-one, Corynebacterium, production, cholesterol conversion 120.

Zarboxy-9,4-(diphenyl-but-2-enoic anhydride, spergillus nicitians, structure, activity 8339, rboxy-5,6-7,4-letra-hydromethanopterin, structure relationship, methanopterin, Methanobacterium thermoautotrophicum 4577 rboxy-ses-frey-methanopterin, Methanobacterium 4578 rboxy-ses-frey-methanopterin, Methanobacterium thermoautotrophicum 4578 rboxy-ses-frey-methan rboxylesterase, Saccharomyces cerevisiae, role, esters equilibrium, relationship, sugars

Carboxylesterase, (continued) fermentation 2860

Germentation 2860

Carboxymethylcellulose,
stimulation Trichoderma pseudokoningii biosynthesis, β-D-glucosidase,
exo-1,3-B-glucanase 7423

Carboxymethylhydroxymuconic semialdehyde dehydrogenase,
purification, characterization, Escherichia coli 53. Carboxypeptidase A,

purification, characterization, Aspergillus fumigatus 940. Carbozomycin B.

Streptoverticillium ehimense, biosynthesis 8906

Streptoverticilium ehimense, biosynthesis 8906.

26 rcasases,
animals, meat, food contamination, Campylobacter fetus subsp. jejuni 1090.
bacteria contamination, sampling methodology 2028.
beet, chilling effects on bacteria enumeration 8476.
beet, cleaning systems, sanitation 880
cattle, bacteria contamination, swabs enumeration methodology 5404,
cattle, pigs, bacteria food contamination, Norway 5618.
chickens, food contamination, Campylobacter fetus subsp.jejuni 1082.
chickens, food contamination, Enterobacteriaceae, Salmonella, radiation,
temperature. effects on 4786.
chickens, food contamination, Salmonella, detection methodology 1077.
chickens, incidence Salmonella 195.
pigs, abscesses, bacteria isolation, characterization 5619.
poultry, serotypes, Salmonella contamination 8485.
sheep, goats, chlorine washing 6684.

sheep, goats, chlorine washing 6684.

sheep, goats, chlorine washing 6684.
Carcinogenesiliser, rats, proteins nutrition effect on 4902.
Carcinogenicity testing,
single-cell protein. Basidiomycetes, animal models 9113.
use, bacteria, yeasts, methodology 4465.

Carex.

plant debris, biodegradation, microorganisms, acids effects on, lakes, polar environments 1995. plant debris, biodegradation, USA, Alaska, lakes, nutrient enrichment effects on

Carlca, fruits, post-harvest decay, storage, Phoma exigua, Colletotrichum acutatum 7719.

Carica papez, Colletotrichum gloeosporioides, cutinase, activity, pesticides (organophosphorus), effects on 8563. anthracnose, Colletotrichum gloeosporioides, pathogenesis, electron microscopy anthracnose, Colletotrichum gloeosporioides, pathogenesis, electron microscopy

8564
canker, Phytophthora palmivora, disease control, maneb, chlorothaionil 5058.
Erwinia canker, symptoms, Achotina fulica vectors, Mariana Islands 1222.
latent infection, Colletotrichum glossoponides, pathology 6788.
pathogenicity, Rhizoctoria solani 1218.
root rot disease resistance, genetic analysis 1343.
root rot, Phytophthora palmivora, disease control 1213.
USA, Florida, viruses incidence, distribution 5020.
Carlavirus,

antigenic relationship, enzyme-linked immunosorbent assay, association F(ab')2 3529.

infection, Impatiens holstii 6792. purification, characterization, Taraxacum officinale isolates, plants infection 416

416.
purification, physicochemical properties, infection, Solanum melongena, host range 408.
Carminomycin,
Actnomadura antibiotic sensitivity testing 6109.
derivatives production, toxicity, antitumor activity 7166.
derivatives, synthesis, antibacterial activity, Bacteroides mycoides 2592.
N-monoethyl derivatives, characterization, antibacterial activity, Mycoplasma mycoides 781.
Itiration methods 100 (231) titration preparation methodology 6231.

carbohydrate composition, spatial distribution 1657.

Carnation etched ring virus, enzyme-linked immunosorbent assay, surveys, Dianthus caryophyllus 1294.

Carnation latent virus, infection, Dianthus caryophyllus 1294.

Carnation mottle virus, detection, enzyme-linked immunosorbent assay, Dianthus caryophyllus 831.

enzyme-linked immunosorbent assay, surveys, Dianthus caryophyllus 1294.

meristem tip culture, enzyme-linked immunosorbent assay detection, Dianthus caryophyllus 7223.

Carnation necrotic fleck virus, enzyme-linked immunosorbent assay, surveys, Dianthus caryophyllus 7294.

infection, double-stranded RNA isolation, plants 2981.

Carnation ringspot virus, enzyme-linked immunosorbent assay, surveys, Dianthus caryophyllus 1294.

infection, double-stranded RNA isolation, plants 2981.

Intection, double-startioed invisionalin, plants 2501.

Carnation ringspot virus,
detection, enzyme-linked immunosorbent assay, Dianthus caryophyllus 831,
enzyme-linked immunosorbent assay, surveys. Dianthus caryophyllus 1294.
virions aggregation, immunoelectrophoresis 3543.
Carnitine acceptytransferase,
purification, Candida tropicalis 2781.

B-Carotene,

sis, Blakeslea trispora fermentation, cellobiose media (culture) 104. biosynthesis, Azospırıllum brasilense continuous culture, oxygen tension effects on 2749. Carotenoids,

biosynthesis, Micrococcus luteus membranes 2839, formation, Protaminobacter ruber 6624, Protaminobacter ruber, purification, characterization 6621. Carotanoprotelins,

inlloxanthin configurations, Raman spectroscopy, Rhodospirillum rubrum 6625. Carotovoricin,

effects on, macromolecules, biosynthesis, nutrient transport, ATP, Erwinia carotovora 2589.

Carpetimycin C, biosynthesis, isolation, physicochemical properties 9759. Carpetimycin D, biosynthesis, isolation, physicochemical properties 9759.

Carpinus betulus, sap. interference biological control, bacteria, Insecta 2831.

Carrageenans, Brevibacterium flavum immobilized cells, furnarate hydratase activity 7343.

Carrageenans, (continued)

arrageernans, (continued)
gels, lumarate hydratase stability. Brevibacterium flavum immobilized cells 7344, use, immobilization, Brevibacterium flavum, association, malic acid production, lumarate hydratase activity 4494.
use, immobilized enzymes, lumarase, Brevibacterium flavum 6472.

Carrots

washing effects on microorganisms 5613.

Cartap, soil microorganisms, effects on 3248.
Carthamus tinctorla, turriip mosaic virus 1295. yield, Alternaria carthami infection effects on 1250.

yield, Alternaria carthami infection effects on 1250.

Carya Illinoensis,
crown gall, Agrobacterium, pathogens characterization, biological control, use,
Agrobacterium radiobacter, USA, Georgia 3971
pecans yield effects on Aspergillus parasiticus allatoxins accumulation 3871,
scab, Cladosporium caryigenum, effects on nuts drop 6929
scab, Cladosporium caryigenum, factors affecting spores release 397
scab, Fusicialdium effusum infection, factors affecting disease spread 1202.

Carya Illinolensis,
scab, Cladosporium caryigenum, disease control, propiconazole, foliar application
496.

Caselin.

Casein

media methodology, Streptococcus lactic acid fermentation 5426 milk-clotting enzymes proteolysis, Mucor racemosus 7357, proteolysis, lactic acid bacteria 4800.

β-Casein,

B-Casein, biodegradation, Escherichia coli, Pseudomonas fluorescens 2020 Casein hydrolyzate, media methodology. Streptococcus lactic acid fermentation 5426. Caselinolytic enzymes,

effects on, bacteria growth, crop residues digestion, forage quality 4860. fermentation, Corynebacterium manihot, linamarin synthase activity 3847. fermentation, detoxification, linamarase, Aspergillus sydowi, Penicillium steckii

4778.

Cassave common mosalc virus,
disease transmission, host range. Manihot esculenta 1232
elimination germplasm, disease controli, Manihot esculenta 1375
infection, leaves, yield, Manihot esculenta 407.
mosaic disease, Manihot esculenta, heat treatments 1312.

Cassave latent virus,
mosaic disease, Manihot esculenta, etiology, pathogenesis 9413.
mosaic disease, Manihot esculenta, transmission, Nicotana benthamiana, tissues
utrastructure 1315.

Cassave mosalc virus.

mosaic disease, Manihot esculenta, transmission, Nicotana benthamiana, tissue ultrastructure 1315.

Casava mosaic virus, yeld reduction, Manihot esculenta 1314.

Casais flatula, extracts, antiviral agents, vaccinia virus 3343.

Casais elatula, extracts, antiviral agents, vaccinia virus 3343.

Casais obtustifolia, weed control, seediing blight, Alternaria cassiae 1286.

Casala occidentalis, weed control, seediing blight, Alternaria cassiae 1286.

Castanea dentata, blight, Cryphonectria parastica, virulence, effects on, dieback 8655. blight, Endothia parastica, disease control, virulence, reviews 4165. blight, Endothia parastica, virulence, Greece 6916. canker, Endothia parastica, virulence, virulence, 8623. disease control, virulence, blight, Endothia parastica 6922. disease control, virulence, blight, Endothia parastica 6922. casuarina equisatifolia, nitrogen fixation, and parastica 6922. casuarina equisatifolia, bile acids, Pseudomonas Actinomycetes 149. gallic acid, Pseudomonas testosteroni, 2-pyrone-4,6-dicarboxylic acid biosynthesis 1849.

Catabolitar espression, colic AMP levels, Thermonospora curvata 9179. Cephalosponum acremonium, β-lactam antibiolics biosynthesis 5231. catalase, activity, association, crop rotation, fertilization, soil, anaerobic bacteria, soil 2382. extraction, soil 4215. immobilization, soil, factors affecting 4226.

extraction, soil 4215.

extraction, soil 4219.
immobilization, soil, factors affecting 4226.
kinetics, temperature effects on, soil 3200.
proteolytic enzymes effects on, soil 3201.
purification, characterization, Aspergillus niger 1863.
purification, physicochemical properties. Proteus mirabilis 3675.
Vibrio cholerae, activity, rifampicin antibiotic resistance 6018.

Catalysts, fermentation, technology, immobilized enzymes, immobilized cells 7337 microorganisms, steroids conversion 5530.

biodegradation, Phanerochaete chrysosporium 7544. biodegradation, soil microorganisms 6967. Catechol oxidase,

Catechor oxidase, photoinactivation, Agaricus bisporus 9178. structure, spectroscopy, mechanisms, reviews, Neurospora crassa 6549. Catechol 1,2-dioxygenase, isolation, characterization, Pseudomonas aeruginosa 7392. purification, kinetics, Aspergillus niger 3674. Catechol 2,3-dioxygenase, isolation, characterization. Pseudomonas aeruginosa 7392.

biodegradation, phenylalanine, bacteria 157.

Catecholamine, derivatives, antiviral activity, influenza virus, chick embryos 9692 Catharanthus roseus,

cuttings, rooting, mycoplasma-like organisms infection 1310. leaf blight, Fusarium oxysporum, pathology 3094. phyllody, Mycoplasma-like organisms, disease transmission, Deltocephalus flavicosta 7684.

roots, detection, mycoplasma-like organisms 3054

Catheter,

bacteria infection, scanning electron microscopy 802

Catheters.

colonization, Staphylococcus, growth 2638 Staphylococcus, adherence 6271.

Staphylococcus, aureireiree vol.

Cations,
complex, phosphorus containing, nitrogen containing, antibacterial activity 7921.

effects on Erysiphe graminis f.sp.hordei, haustoria growth, Hordeum vulgare 93effects on glutamine synthetase kinetics. Micrococcus glutamicus 6511.

effects on protein H1 biosynthesis, Pseudomonas aeruginosa envelopes,
relationship, antibiotic resistance 5158.

Interference cinintosalicityic acid reducing sugars assays, media (culture) 8085.

leaching, fungi mycelia, leaf litter decomposition, Collembola grazing effects on

metals, effects on pectic esterase production, Verticillium albo-atrum, Verticillium dahliae 7313. surfaces binding, antimicrobial activity 3373. uptake, mycorrhizas, roots, Trifolium subterraneum 559.

Cats. coronavirus antibodies, detection, enzyme-linked immunosorbent assay 9849.

corporavitus

Cattle, allatoxins toxicity, reviews 283, animal solates. Pasteurella, drug resistance, antibiotic resistance, respiratory tract diseases 7884.

Tract diseases 7884.

Salmonella typhimurum, survival.

Salmonella typhimurum, survival.

tract diseases /884, animal sides, pneumonia, anaerobic bacteria, susceptibility, antibiotics 7987, animal wastes siturnes, Escherichia coli, Salmonella typhimurium, survival, isolation, drug resistance 2617 arhtbodies, Leptospira interrogans ser hardio, Leptospira interrogans ser pomona, enzyme-linked immunosorbent assay 8118. bacteria infection, treatment, antibacterial agents, association, drug resistance indiction 3284.

induction 3284.

induction 3284. Bordetella pertussis antibodies detection, radioimmunoassay 1789. brucellosis, abattoris, hygiene 8072 brucellosis, dagnosis, radioimmunoassay, complement fixation, indirect hemagglutination 4485. carcasses, bacteria contamination, swabs enumeration methodology 5404. carcasses, bacteria food contamination, Norway 5618. colostrum proteins, Strepticococus lactis fermentation effects on 246. cow's milk, isolation, Campylobacter fetus subsp.jejuni 4799. diary products, aflatoxim M, food contamination 2938. diagnosis, inderpest virus, antigens, detection, fluorescent antibody test, methodologio 830.

methodology 830

menrouology взи.
dung, decomposition, rangelands 3198.
feces fermentation, anaerobic bacteria, hydrocarbons production 5138.
feeding regimes, Gossypium hirsultum seeds ammoniation effects on cow's milk
aflatoxin M1 2945.

artiatorin MI 299.0
feeding regimes, sewage sludge, microorganisms, food contamination, meat 4800 feeding trials, single-cell protein fastly acids, association cow's milk 250, toot-and-mouth disease, milk samples enumeration 4767 grazing, environmental impact, surface water, water quality, streams, USA, Colorado 8973.

Colorado 8973.

isolates, Enterobacteraceae, antibiotic sensitivity testing 6095.

isolates, Escherichia coli, R factors drug resistance 7039.

isolates, Escherichia coli, Il towins production 1112.

isolation, Pasteurella haemolytica, antibiotic resistance 8722.

juveniles, diarrhea isolates, Escherichia coli, antibiotic resistance 1534.

juveniles, Teleriobacteriaceae infection, antibiotic resistance 643.

juveniles, leeding, milk substitutes, Escherichia coli isolation, antibiotic sensitivity testing 8742.

juveniles, Feeding trials, pasteurized milk, Staphylococcus aureus 4869.

juveniles, God sources, milk ~colostrum, fermentation, lactic acid bacteria 7599.

liquids Streptomyces soliubles = molasses, digestibility 4867.

liver abscesses Fusobacterium necrophorum isolates, antibiotic sensitivity testing 7121.

mammary gland, bacteria infection, penicillin G+streptomycin treatment, isolates susceptibility 8851.

susceptoniny 889. nzymatic activity, microflora, association 8061. mastitis, disease control, quaternary ammonium compounds, teat dips, antibacterial activity 1726. mastitis incidence, iodine teat dips 4462. mastitis incidence, iodine teat deep 8820. mastitis, Streptococcus, Staphylococcus, relationship udder hygiene 9453. mastitis, Streptococcus, Staphylococcus, relationship udder hygiene 4453. neonates, diarrhea. Escherichia coli isolation, antibiotic sensitivity testing 2929.

3283.
poisoning, Baccharis condifolia, uptake, mycotoxins 2944, namen fluids, bacteria proteins determination methodology 5408. namen fluids, bacteria proteins determination methodology 5408. namen microorganisms, proteolytic bacteria, media (isolation) use ribulosebisphosphate carboxylase 7243.
salmonellosis, abattoris surveys, zoonoses, man 234. serum albumin, Haemophilus influenzae polysacchandes conjugate, hydrodynamic light scattering 978.
stage feeds, factors affecting nutritive value 2927. sterility, feeds contamination, fungi, mycotoxins 4880. teat dips, prophylaxis, mastitis 8071. teatts, spore-forming bacteria, contamination sources, milk 4812. teats washing, effects on bacteria contamination, milk 5350.
T-2 toxin metabolities structure 3384. udder infectious disease, association, environmental conditions 6272.

udder infectious disease, association, environmental conditions 6272. udder microflora, contamination, milk 4820. udder microflora, milk contamination, sanitation 5339, udder preparation, relationship, bacteria milk contamination 4798.

udder preparation in the control of the control of

calcium carbonate, bacteria, calcification 8711, soil microorganisms 1486. CDPdiecytglycerol-inositol 3-phosphatidyltransferase, Saccharomyces cerevisiae, purification, characterization 3682.

```
nothus velutinus,
tinorrhizas, nitrogen fixation, nodules, seasonal variations, diurnal
variations, soil temperature effects on 9513.
ropin,
yalophora cecropia, antibacterial activity, Eschenchia coli 1551
rus deodars,
red germination, fungal flora inhibition, seed-borne diseases 9528.
selor,
ribbacterial activity, Haemophilus influenzae type b, association, inoculum size
ribbacterial activity, in vitro 731.
ribbacterial activity (setting 9746.
adroxil,
ribbacterial activity (2529.
ribbacterial activity 7137.
actericidal activity 7137.
ribbacterial activity comparison, gram-positive bacteria, gram-negative bacteria
8331.
sloridine,
ribbacterial activity comparison, gram-positive bacteria, gram-negative bacteria
8361.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Jefotaxime, (continued)
antibacterial activity, Bacteroides, Eschenchia coli, mixed culture 7999
antibacterial activity, Bacteroides fragilis 7129.
antibacterial activity, cefotetan companson 4348.
antibacterial activity, companson, antimicrobial agents 6126.
antibacterial activity, conferences 6362.
antibacterial activity, conferences 6362.
antibacterial activity, signam-negative bacilii 7983.
antibacterial activity, gram-negative bacilii 7983.
antibacterial activity, Haemophilus equigentalis 8834.
antibacterial activity, Haemophilus influenzae, incoulum size effects on 2532.
antibacterial activity, Haemophilus influenzae, incoulum size effects on 2532.
antibacterial activity, Pseudomonas aeruginosa 6128.
antibacterial activity, Pseudomonas aeruginosa, agar diffusion test 728.
antibacterial activity, Pseudomonas aeruginosa, agar diffusion test 728.
antibacterial activity, Pseudomonas aeruginosa, agar diffusion test 728.
antibacterial activity, Versinia enterocollica, Bacteroides corrodens,
Streptococcus pneumoniae 6089.
antibiotic resistance, reviews 5997.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Cefotaxime, (continued)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Streptococcus pneumoniae 6089.
antibiotic resistance, reviews 5997.
antibiotic resistance, Staphylococcus aureus 5160.
antibiotic resistance, Staphylococcus aureus 5160.
antibiotic sensitivity testing, agar diffusion test 6120.
antibiotic sensitivity testing, anaerobic bacteria 7136.
antibiotic sensitivity testing, antibiotic resistance, Enterobacteriaceae 5271.
antibiotic sensitivity testing, Naissoria poporthogos 5240.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             antibiotic sensitivity testing, antibacterial activity, antibiotic resistance, Enterobacterianeaes 257.1 eisseria gonorrhoeae 5240. antibiotic sensitivity testing, 10 eisseria gonorrhoeae 5240. antibiotic sensitivity testing neutranicin, antibacterial activity, Proteus, Pseudomonas aeruginosa 7967. bacteria antibiotic sensitivity testing 7984. bioassays 4385. Campylobacter felus, subsp.jejiuni, drug sensitivity testing 4292. comparison aztreonam, antibacterial activity, gram-negative bacteria 8816. comparison, cefotetan antibacterial activity 6134. comparison, cefotetan antibacterial activity, 10 eisseria ei
18831.

8831.

slotin,

ntbacterial activity, Bacteroides fragilis 8811.

amendos,
ntibacterial activity, Bacteroides fragilis 8811.

ntibacterial activity comparison, gram-positive bacteria, gram-negative bacteria
Intibacterial activity, Bacteroides fragilis 8811.

Nibacterial activity comparison, gram-positive bacteria, gram-negative bacteria 8831.

Ribbacterial activity, gram-negative bacilii 7185.

Nibbacterial activity, gram-negative bacteria 1606.

Nibbacterial activity, gram-negative bacteria 4347.

Nibbacterial activity, Streptococcus group B 3409.

Nibbacterial activity testing, bacteria 6111.

Disparison, chloramphenicol, ampicillin, bactericidal activity, Haemophilus influenzae 3418.

B-lactam antibiotics antibacterial activity 3314.

B-lactam antibiotics antibacterial activity 3314.

B-lactam antibiotics antibacterial activity, Streptococcus faecalis, Streptococcus gentamicin, antibacterial activity, Streptococcus faecalis, Streptococcus faecium 7982.

atrizine,

Nibacterial activity 2529.

azolin,

Nibacterial activity, gram-negative bacteria 4347.

Nibacterial activity, gram-negative bacteria 4347.

Nibacterial activity, Staphylococcus aureus, Staphylococcus epidermidis 7995.

Nibacterial activity, Staphylococcus aureus, Staphylococcus epidermidis 7995.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         antibacterial activity, reviews 6116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Cefotetan, anaerobic bacteria susceptibility 5194. antibacterial activity 4349. antibacterial activity 4354.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   antibacterial activity 4357 antibacterial activity 4358
ntibacterial activity comparison, gram-positive bacteria, gram-negative bacteria 8831.
menoxime,
naerobic bacteria susceptibility 5194.
militotic sensitivity testing, anaerobic bacteria 7136.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                antibacterial activity, 4358. antibacterial activity, 1918. antibacterial activity, 1918. antibacterial activity, 1918. antibacterial activity, 1918. antibacterial activity, anaerobic bacteria 4345. antibacterial activity, bacteria 4340. antibacterial activity, bacteria 4340. antibacterial activity, bacteria 4340. antibacterial activity, body fluids, man 4377. antibacterial activity, body fluids, man 4377. antibacterial activity comparison, 91-lactam antibiotics 6134. antibacterial activity, certopacteriaceae 4343. antibacterial activity, Enterobacteriaceae, hydrolysis stability, β-lactamase 4343.
naerobic bacteria susceptibility 5194, hibbiotic sensitivity testing, anaerobic bacteria 7136. 
proparison, cephalosporins, antibacterial activity, gram-negative bacteria 6137. 
metazole, hibbacterial activity, gram-negative bacilli, gram-positive cocci 2541. 
metazole, hibbacterial activity 7142. 
hibbacterial activity 7142. 
hibbacterial activity 7142. 
hibbacterial activity 7142. 
hibbacterial activity Neisseria gonorrhoeae 3401. 
miclid, hibbacterial activity, Staphylococcus aureus, Staphylococcus epidermidis 7995. 
scidiffusion test 9742. 
perazone, amikacin, serum bactericidal activity, Pseudomonas aeruginosa, Klebsiella pneumoniae 3400. 
minoglycoside antibiotics, antibacterial activity, non-fermentative gram-negative bacteria 1607. 
halogs, antibacterial activity, Pseudomonas aeruginosa 7993. 
hibbacterial activity, 740. 
hibbacterial activity, periodomonas aeruginosa 7993. 
hibbacterial activity, Bacterioles finglis 7129. 
hibbacterial activity, Bacterioles finglis 7129. 
hibbacterial activity, Enerobacteri clocace 7144. 
hibbacterial activity, Enerobacterial coloculum size effects on 2532. 
hibbacterial activity, Freptococcus pneumonia 128. 
hibbacterial activity, Streptococcus pneumonia 127. 
hibbacterial activity, Streptococcus pneumonia 127. 
hibbacterial activity, Streptococcus pneumonia 127. 
hibbacterial activity, Streptococcus pneumonia 128. 
Bacterioles finglis subsp. thetaiotaomicron 9743. 
hibbacterial activity testing, Clostridium perfingens, Bacteroides fragilis, Bacteriodes fragilis subsp. thetaiotaomicron 9743. 
hibbacterial activity testing, Glostridium perfingens, Bacteroides fragilis, Bacteroides fragilis subsp. thetaiotaomicron 9743. 
hibbacterial activity testing, Glostridium perfingens, Bacteroides fragilis, Bacteroides fragilis, antibiotic sensitivity testing, glosc-diffusion test, statistical analysis 9744. 
hibacterial activity, gram-negative bacteria 8816. 
herezoicilifi, antibiotic antagonism, gram-negative bacteria, Staphylococcus, 
piperacolifi, antibiotic antagonism, gram-n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             antibacterial activity, Enterobacteriaceae, hydrolysis stability, β-lactamas 4339, antibacterial activity, Eschenchia coli, role β-lactamase 4370. antibacterial activity, gram-negative bacteria 2526. antibacterial activity, tyram-negative bacteria 4350. antibacterial activity, Klesviella, β-lactamase stability 4363. antibacterial activity, Serratia, Enterobacter 4341. antibiotic sensitivity testing, bacteria 4352. antibiotic sensitivity testing, Bacterioides 4346. antibiotic sensitivity testing, Clinical isolates, bacteria 737. antibiotic sensitivity testing, Ginical isolates, bacteria 737. antibiotic sensitivity testing, gram-negative bacilli, gentamicin resistance 4342.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4342
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                14.342. binding penicillin-binding protein, role antibacterial activity, gram-negative bacteria, gram-positive bacteria 4373. inactivation β-lactamase, Klebsiella oxytoca, Proteus vulgaris, Escherichia coli 4368.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            coli 4368. B-lactamase hydrolysis 4366. stability, β-lactamase hydrolysis, antibactenal activity, gram-negative bacteria, gram-positive bacteria 4364. synthesis 4359. Cefotiam, antibacterial activity 2527. antibacterial activity, bacteria infection treatment, animal models 6129.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       antibacterial activity, bacteria infection treatment, animal models 6129.

Petoxitin,
antagonism cephalosporins, β-lactamase induction, Aeromonas hydrophila,
Serratia marcescens 7059.
antibacterial activity, β-lactam bacteria, stability, β-lactamase,
comparison N-formimioty) thienamycin 729,
antibacterial activity, Bacteriodes fragilis 7129.
antibacterial activity, gram-negative bacteria 1606.
antibacterial activity, gram-negative bacteria 1606.
antibacterial activity, Haemophilus influenzae, inoculum size effects on 2532.
antibacterial activity, Haemophilus influenzae, inoculum size effects on 2532.
antibacterial activity, activity in the size of the siz
operazone A,
hibacterial activity, Enterobacteriaceae 7980.
prantde,
ntibacterial activity, Staphylococcus aureus, Staphylococcus epidermidis 7995.
htbacterial activity, 3399.
tibacterial activity, 3399.
tibacterial activity, 4365.
tibacterial activity, 8-lactam bacteria, stability, β-lactamase,
comparison N-formimidoyl thienamycin 729.
tibbacterial activity, antibiotic synergism, 3-desacetylcefotaxime, Proteus
morganii, Pseudomonas acidovorans, Pseudomonas cepacia 6117.
tibbacterial activity, bacteria infection treatment, man 6124.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   +N-formimidoyl thienamycin, antibiotic synergism, Pseudomonas aeruginosa,
```

Cefoxitin, (continued) Klebsiella pneumoniae 3394. Nepsee pneumonuse 3394.
induction 9-lactamase, bacteria, comparison moxalactam 5273.
+ β-lactam antibiotics antibacterial activity 3314.
penicillins antibiotic antagonism, antibacterial activity. Enterobacteriaceae, Pseudomonas 2533. sensitivity, Staphylococcus epidermidis 8828. suicide inhibitors, β -lactamase, gram-negative bacteria 2810. efaulodin,
+ arminoglycoside antibiotics, antibacterial activity, non-fermentative
gram-negative bacteria 1607;
analogs, antibacterial activity, Pseudomonas aeruginosa 7993.
antibacterial activity, gram-negative bacilii 7983.
antibacterial activity, Pseudomonas aeruginosa 1128.
antibacterial activity, Pseudomonas aeruginosa, agar diffusion test 728.
± cefoxtini, antibacterial activity, anaerobic bacteria 6127.
effects on Pseudomonas aeruginosa 4955.
hydrolysis, β-lactamase, Pseudomonas aeruginosa 4355.
+ ticarcillin, +mezlocillin, +amnoglycoside antibiotics, antibacterial activity,
Pseudomonas aeruginosa, Serratia marcescens 6093. Cefsulodin. Pseudomonas aeruginosa, Serratia marcescens 6093.

effazidime
- + amikacin, serum bactericidal activity, Pseudomonas aeruginosa, Klebsiella pneumoniae 3400.
analogs, antibacterial activity, Pseudomonas aeruginosa 7993.
antibacterial activity, Acinetobacter calcoaceticus subsp. antitratus,
Acinetobacter calcoaceticus subsp. lowfii 7979.
antibacterial activity, Acinetobacteria celicoaceticus subsp. antitratus,
Acinetobacteria activity, Enterobacteriaceae, Pseudomonas aeruginosa, Neisseria,
Haemophilus influenzae, Bacterioides fragilis 4367.
antibacterial activity, gram-negative bacilii 7983.
antibacterial activity, gram-negative bacilii 7983.
antibacterial activity, pharmacokinetics 5243.
antibacterial activity, Pseudomonas 6122.
antibacterial activity, Pseudomonas aeruginosa 4374.
antibacterial activity, Pseudomonas aeruginosa 9747.
comparison, celotetan antibacterial activity 6134.
determination, high-pressure liquid chromatography methodology, body fluids, man 4841. 8841 **initizotime**, antibacterial activity, β-lactamase stability 2536. antibacterial activity, Acinetobacter calcoaceticus subsp.anitratus, Acinetobacter calcoaceticus subsp.anitratus, Acinetobacter calcoaceticus subsp.lowfif 7979. antibacterial activity, amerobic bacteria 2535. antibacterial activity, gram-negative bacilii 7983. antibacterial activity, gram-negative bacilii 7983. antibacterial activity, Serratia marcescens, gram negative bacilii 2528. antibacterial activity, Serratia marcescens, gram negative bacilii. Staphylococcus 2531. antibacterial activity. Pseudomonas aenurinosi antibiotic synergism, aminomycin, antibacterial activity. Pseudomonas aenurinosi antibiotic synergism. antibiotic synergism, tobramycin, antibacterial activity, Pseudomonas aeruginosa 2534 coost-gentamicin, antibiotic synergism, antibacterial activity, gram-negative bacteria isolates 2539. Mycobacterium antibiotic sensitivity testing 7996. Neisseria gonorrhoeae, clinical isolates, antibiotic sensitivity testing 5242 penicillins antibiotic antagonism, antibacterial activity, Enterobacteriaceae, Pseudomonas 2533. Cettriaxone, +6-acetylmethylenepenicillanic acid, antibacterial activity, Bacteroides fragilis 3405. 3405.

+ aminoglycoside antibiotics, antibiotic synergism, antibiotic antagonism, Pseudomonas aeruginosa 7986.
antibacterial activity, Acinetobacter calcoaceticus subsp.anitratus, Acinetobacter calcoaceticus subsp.lowfii 7979.
antibacterial activity, yarm-negative bacteria 4362.
antibacterial activity, Haemophilus influenzae 2511.
antibacterial activity, Haemophilus influenzae 7981.
antibacterial activity, Hispania activity, Haemophilus influenzae 7981.
antibacterial activity, Gisco-diffusion test 7998.
antibiotic sensitivity testing, anaerobic bacteria 7136, inhibition, Citrobacter freundis Plactamaes 3397.
Neisseria gonorrhoeae, clinical isolates, antibiotic sensitivity testing 5242. Cefuroxim, antibacterial activity 1612. antibacterial activity, gram-negative bacteria 4347. antibacterial activity comparison, gram-positive bacteria, gram-negative bacteria 883.1 antibacterial activity, Eschenchia coli, Klebsiella 6130, antibacterial activity, gram-negative bacteria 1606. antibiotic resistance, Escherichia coli isolates 789.3 antibiotic sensitivity testing methodology comparison 6090, antibiotic sensitivity testing methodology comparison 6090, antibiotic sensitivity testing, Neisseria gnorrinoeae 5240, bacteria antibiotic sensitivity testing 7984. comparison aztreonam, antibacterial activity, gram-negative bacteria 8816. Actinetobacter gelenaretiques himmass. monitorius methodologica del control c

Acinetobacter calcoaceticus, biomass, monitoring, methodology, hexadecane, fermentation 5142. Agrobacterium tumefaciens, initiation, crown gall, Helianthus 3060. bacteria, polystyrene substrates, measuring techniques, use, bioluminescence

Cell agglutination,
Legionnella pneumophila, detection, Legionnaire's disease, man, methodology 3588,
Pseudomonas phaseolicola, Phaseolus vulgaris plant extracts, role, pathogenesis

. Cell aggregation, assays, bacteria, association, labelling, use, palmitic acid 7245. waste water treatment, aquatic microorganisms, role extracellular polymers 8059, yeasts, flocculation, assays 7263.

Neisseria meningitidis, antimicrobial agents, effects on 6106.

Cell culture assays, herpes simplex virus, methodology 3539. bacteria, dilution, automated methods 3600. bacteria, sampling, statistical analysis, species diversity measurements methodology 870. methodology 870.

bacteria, urine, preservation methodology 3618.

Echium/pcopsis, quinones derivatives, antibacterial activity 673.

fibroblasts, postaglandins, inhibition, vaccinia virus, replication 2485.

methanogen bacteria, methodology, anaerobic conditions 3549.

Fibroblum aponicum, infectivity, Glycine max, age effects on 2112.

Stacoboccus aureus, media (selective), temperature relationship 2661.

Steptomyces hygroscopicus, mathematical models, identification, growth curves a 3504. Cell cycle, en cycle,
analysis methodology, relationship, growth rate. Escherichia coli 3559.
Haemophilus influenzae, companson, Escherichia coli, chloramphenicol,
bactericidal activity 5259.
specificity, antimicrobial agents, Schizosaccharomyces pombe 690. Pseudomonas aeruginosa, soil, characterization 2353 Saccharomyces cerevisiae, role sulfur dioxide 1563. Cell disruption, microorganisms, methodology glass beads 6337. Pseudomonas putida, alkane 1-monooxygenase isolation, n-alkanes oxidation 5507. Cell distribution, yeasts, methodology 2724. all division, Escherichia coli, association, growth, murein biosynthesis, cross-linking 1984. Myxococcus xanthus, inhibition, medillinam 752. temperature-sensitive mutant, Escherichia coli, penicillins effects on inorganic ophosphatase levels 8000. pyropho Cell fusion. Cell ruseon, BSC-1 cells, role, herpes simplex virus 2 mutants 3271. protoplasts, Streptomyces hygroscopicus, bialaphos, biosynthesis 9781. Staphylococcus aureus L form, recombinants, antibiotic resistance 3286 Cell Injury, bacteria, association, novobiocin, coumermycin 5280. Cell membranes, adenosinetriphosphatase N,N'-dicyclohexylcarbodirmide binding subunits, purrication, charcterization, Bacilius subtilis 2833, alcohol dehydrogenase, purification, kinetics, mechanisms, Pseudomonas aeruginosa association, mechanisms, compound 48/80 antimicrobial activity 5225. cytochrome c-551, cytochrome c-555, purification, characterization, Pseudomonas aeruginosa 1828. DNA-binding protein, purification, characterization, Bacillus subtilis 9121. Eschenichia coli, Salmonella typhimurum, porins, β-lactam antibiotics diffusion 718. Wcopniama anti-activity. Mycoplasma gallisepticum, purification methodology 3554.
NADH dehydrogenase isoenzymes, isolation, characterization, Micrococcus luteus 7348 Nicotiana tabacum, peroxidation, Cercospora nicotianae cercosporin role 9442, oxaloacetate decarboxylase, purification, characterization, Klebsiella aerogenes 1870.
penetration, cefotaxime, configurations, analogs 9751.
polysacchandes, microorganisms, uronic acid bioassays 5365.
Veillonella alcalescens, methylmalonyl-CoA decarboxylase purification, characterization 7347.
Cell permeability,
trimethopnim drug resistance 5999.
Cell recognition,
host plants, Rhizobiaceae, association, plasmids, host range 5937.

Cell size.

measuring techniques, Coulter nano-sizer, viruses, bacteria, fungi 2646. phototrophic bacteria, measuring techniques 5388. Cell surface,
Aeromonas salmonicida, membrane proteins, purification, physicochemical

Aeromonas salmonicida, membrane proteins, purification, physicochemical properties 7290.
detection L-cysteic acid, methionine sulfoxide, β-alanine, dityrosine, α-aminobutyro acid, Staphylicococus aureus 1834.
Saccharomyces cerevisiae, antigens, antigenic determinants, physicochemical properties 6395.
Cell auspensione, Escherichia coli, β-adrenergic blocking agents effects on turbidity 2442.
Cell volume, phototrophic bacteria, measuring techniques 5388.
Cell walls, Absidia cylindrospora, Mucor mucedo. Bhizonus indicians glucuronans.

Absidia cylindrospora, Mucor mucedo, Rhizopus nigricans, glucuronans, physicochemical properties 6578. bacteria, amino sugars, sugars, gas chromatography 9877. bacteria, ipopohysaccharides, reaction, polymyxin B, identification, methodology

1790.

bacteria, peptidoglycans, conformational analysis 3714.

Candida albicans, antifungal activity, amphotericin B, nystatin, imidazoies 2477.

Candida guliermondii, high molecular weight glycoproteins, hydrocarbons effects on 7868.

chemical composition, Triticum aestivum, association, genes, disease resistance, Ersysiphe graminis 1.sp.tritici infection 9476.

ethylene effects on glycoproteins accumulation, Colletotrichum lagenarium infection, Cucumis meio 3981.

Gloeophylium trabeum, chitin, colorimetry, methodology 8157.

gram-negative bacteria, gram-positive bacteria, sanguiritrin effects on 8873.

hyphae, components, Phytophthora infestans, response, Solanum tuberosum, protoplasts; 3098.

protopiasts 3098.

Leptospira, polysacchandes, ultrastructure 8330.

Medicago sativa, cellulose, Ruminococcus aibus biodegradation 9259.

Micrococcus luteus, humic acids interaction, effects on lysozyme activity 590.

Micrococcus luteus, humic acids interaction, effects on, association, dimorphism, factors affecting 4310.

Phytophthora infestans, extracts effects on, membrane potential, Solanum Piloderma grooms 1000.

Piloderma croceum, Pisolithus tinctorius, penetration, Pinus sylvestris, Picea

abies, ectomycorrhizas 3165.

90

4489

walls, (continued)

obsaccharides, 2,3-diamino-2,3-dideoxyglucronic acid biosynthesis, characterization, Propionibacterium acnes 3657 hizobium lupini, proteins, carbohydrates, chemical extraction, methodology 2700. taphylococcus aureus, binding, opsonins, immunoglobulins, immunofluorescence 8122.

Interpropose sureus, phospholipids content, antibiotics effects on 3380, treptomyces, fungi, biosynthesis, neopeptin inhibition, antifungal activity 4396.

Interpropose, fungi, biosynthesis, neopeptin inhibition, antifungal activity 4396.

Interpropose sureus faciculatus, symbiosis, Ornithogalum umbellatum 6357 lood, biodegradation, bacteria, aquatic environment 8426.

Jeasts, glucans, reviews 1953.

Jehrae system acremonium 3-exomethylene cephalosporin C conversion 7145 hromobacterium violaceum, production, cyanide 1043.

Japhina magna, cytolytic activity, Escherichia coli is170.

Irreptomyces clavuligerus, cephalosporins biosynthesis 1613.

Irreptomyces clavuligerus, high-performance liquid chromatography, methodology 1797.

Iobbose,

Jehralosophina sureus, performance liquid chromatography, methodology 1797.

Iobbose,

Jehralosophina sureus, performance liquid chromatography, methodology purification, characterization 5513.

Jermentation, yeasts 4744.

Jermentation, yeasts, ethanol production 9226.

Jehralosophina sureus, performance liquid chromatography, methodology 1797.

Jehralosophina sureus, performance liquid chromatography, methodology 1799.

Jehralosophina sureus, performance liquid sureus, performanc Taphylococcus aureus, phospholipids content, antibiotics effects on 3380 treptomyces, fungi, biosynthesis, neopeptin inhibition, antifungal activity 4396.

reiluliomonas, cellulose biodegradation 154.

rephalaosporium sacchan, cellulose biodegradation, oligosacchandes structure 4674.

de 74.

mplex, Aspergillus terreus, characterization 99.

omplexes, isolation methodology, Aspergillus terreus 7267.

ecomposition, ethanol fermentation, yeasts, fungi 3753.

xcretion kinetics, Trichoderma reesei 8254.

mentation enhancement, Clostridium thermocellum+Clostridium thermosacchardyticum mixed culture 9235.

ydrolysis, cellulose, Aspergillus aculeatus 3699.

ydrolysis, lignin formation, role disease resistance, Avena sativa 5053.

inetics, Trichoderma, Geotrichum, aspergillus 45866.

rechanisms, cellulose hydrolysis, structure-activity relationships 9263.

typtoflecium, cellulose hydrolysis, structure-activity relationships 9263.

typtoflecium, cellulose hydrolysis, cellulose 4740.

xygen transfer rates, effects on, Trichoderma viride, production 9871.

enicillium funiculosum, immobilization, use, poly(vinyl alcohol) 8315.

enicillium funiculosum, recovery, cellulose hydrolysis 7335.

enicillium funiculosum, recovery, enementers 3677.

enicillium funiculosum, recovery, separation techniques association glucose, use, poly(acrylate) gels 8313.

estatolotopsis versicolor, fermentation 9155.

roduction, activity, Talaromyces emersonii 7432.

roduction, Aspergillus aculeatus, media (culture), growth conditions, effects on 3698. 3598.
3598.
roduction, Macrophomina phaseolina, action sources effects on 1932.
roduction, Scytalidium lignicola 6527.
roduction, Thermonospora curvata, cyclic AMP levels, catabolite repression 9179.
roduction, Thichoderma reesei, indole-3-acetic acid, gibberellic acid, effects

oduction, Trichoderma reesei, indole-3-acetic acid, gibberellic acid, effects on 6320.

on 6320.

Trichoderma reesei, media (culture) 6526.

oduction, Trichoderma reesei, strains companson 8325.

unification, characterization, Humicola lanuginosa 8258.

unification, characterization, Humicola lanuginosa 8258.

unification, characterization, thermophilic bacteria 5505.

propriorization production 8320.

proprotrichum thermophile, production 8320.

proprotrichum thermophile, production 8320.

proprotrichum thermophile, production 8320.

proprotrichum thermophile, production 8320.

proprotricese mersonii, hydrolysis, sugar beets cellulose 9153.

slaromyces emersonii, sorption, cellulose substrates 9240.

permoascus aurantiacus, production 1851.

ansglycosylation activity, rippex lacteus 6453.

choderma, activity, crop residues, ethanol production 4727.

ichoderma harzianum, hydrolysis, cellulose, crop residues, pretreatment, heat+grinding 6650.

ichoderma longibrachiatum, production, carbon sources effects on 3678.

ichoderma reesel, activity association substrates, relationship, crystallinity

Cellulase, (continued) 8312

Trichoderma reesei, adsorption characterization, lignocellulose fermentation

7530

7550. Trichoderma reesei, bagasse hydrolysis, bioreactors 9152. Trichoderma reesei, degradation, straw, Triticum aestivum cultivars effects on

8415.
Trichoderma reesei, elution 1928.
Trichoderma reesei, high-performance liquid chromatography 7365.
Trichoderma reesei, hydrolysis, bagasse, straw. Oryza sativar 4730.
Trichoderma reesei, hydrolysis, cellulose, kinetics 9154.
Trichoderma reesei, hydrolysis, cellulose, kinetics 9154.
Trichoderma reesei, hydrolysis, elelulosei effects on 9136.
Trichoderma reesei, hydrolysis, hemicellulase 9157.
Trichoderma reesei, impolitization, glycoprotein composition 68.
Trichoderma reesei, production, bagasse, pretreatment, y radiation+sodium hydroxide 8449.

Trichoderma reesei, production, bagasse, pretreatment, γ radiation+sodium hydroxide 8449.
Trichoderma reesei, production, batch culture, methodology, comparison 9068.
Trichoderma reesei, purfication, characterization 9146.
Trichoderma reesei, wood pulp hydrolysis 9256.
Trichoderma viride, cellulose hydrolysis 8318.
Trichoderma viride, cellulose hydrolysis 8318.
Trichoderma viride, thydrolysis, Zea mays crop residues, pretreatment, heat+sodium hydroxide 8448.
Trichoderma viride, lignocelluloses hydrolysates, dinitrosalicytic acid assays, equants 977.

Inchoderma viride, lignocelluloses hydrolysates, dinitrosalicylic acid assays, sugars 907:36, role, silage, Medicago sativa, Lolium perenne, Trifolium pratense 2931.

Trichoderma viride, Trichoderma reesei, Aspergillus niger, kinetics, hydrolysis, cellulose 3789.

wastes conversion, bioreactors, Trichoderma viride enzymatic activity 9172.

Celluloylic bacteria, cellulose hydrolysis, use, single-cell protein production, Candida tropicalis

Cellulolytic bacteria, cellulose hydrolysis 7545. cellulose hydrolysis 7545. cellulose hydrolysis 7545. cellulose hydrolysis 1545. dermenters, cellulose conversion, methane production 8441. growth, sugarcane bagasse, profeins products nutritive value 9287. Cellulosytic enzymes, adsorption, pH effects on, wood hydrolysis 7548. Aspergillus tunigatus 8261. cellulose biodegradation, Cellovibrio gilvus 8417. cellulose, hydrolysis, Chaetomium crispatum 9151. lungi, glucose production, cotton wastes 6633. production, periodicinal production periodicinal production periodicinal production of 939 production. Periodicinal production 9399 release, spore germination, Trichoderma ressei 7331. Streptomyces flavogrisus, cellulase characterization 4679. Trichoderma, production 7418. Trichoderma viride, biosynthesis, culture systems effects on 1925. Cellulolytic microorganisms, biodegradation, cellulose biodegradation, wood, fungi effects on 2005. biodegradation, cellulose biodegradation, wood, fungi effects on 2005. biodegradation, cellulose biodegradation, cellulose production 9252. cellulose biodegradation, prof picka, agricultural practices, fertilizers effects on 5982. cellulose biodegradation, prof picka, agricultural practices, fertilizers effects on 5982. cellulose hydrolysis. amino acids, carbohydrates effects on 7547. enzymes hydrolysis lignocellulose, reviews 7540. lungal flora, soil, surveys, Syria 7815. lungi, cellulase activity 1926. lungi, exo-cellulohydrolase activity, relationship, β-D-glucosidase levels, measuring techniques 2814. media (culture), cellulose structure 6355. screeming, methodology, association, cellulose, sylan, 1,3-β-D-xylanohydrolase, cellulase 154. glycorol depydrogenase, purification, characterization 77. xylan biodegradation, association, ceriodosi, cellulolytic microorganisms 3511. biodegradation, cellulolytic enzymes, Cellovibro glivus 8417. biodegradation, cellulolytic enzymes, Ce

4674.

biodegradation, Chaetomium cellulolyticum, biomass production 5592.

biodegradation, Clostridium thermocellum, comparison, mesophilic bacteria, sugar production 9251.

biodegradation improvements, Coprinus mutants, straw substrate 6658.

biodegradation, Penicillium funiculosum, rheology 166.

biodegradation, Phanerochaete chrysosporium, nitrogen sources effects on 3770.

biodegradation, rumen microorganisms, media nutrient requirements, counting methods 10007.

methods 10007.

biodegradation, rumen microorganisms, monensin effects on 9260.

biodegradation, soil, measuring techniques 1058.

biodegradation, straw, Penicilium corylophilum 2316.

biodegradation, straw, Penicilium corylophilum 2316.

biodegradation, trichoderma, straw 7539.

biodegradation, wood, fungi effects on celiulolytic microorganisms 2005.

biosynthesis, Acetobacter acetigenum, glycerol media 111.

biosynthesis, Acetobacter xylinum 7473.

biosynthesis, Myrothecium 3668.

celiuloises dehydrogenase, hydrolysis, Chaetomium cellulolyticum 8253.

cellulase, hydrolysis, Aspergillus aculeatus 3699.

Cellulamonas, cellulase, biodegradation 154.

chemical modification, degradation, cellulase, Aspergillus niger 8443.

conversion, Clostridium thermocellum, ethanol production association 9249.

conversion, methane production, fermenters, cellulolytic bacteria 8441.

decomposition, Botrytis cinerea, role infection, Lycopersicon esculentum 5794.

Cephalosporins,

- amikacin, antibacterial activity, Enterobacteriaceae 1614.

+ ammoglycoside antibiotics, antibacterial activity, non-fermentative gram-negative bacteria 1607.

+ ammoglycoside antibiotics, antibiotic synergism, antibacterial activity, Pseudomonas, Escherichia coli 736.

analogs, structure-activity relationships 4361.

antagonism, N-formmidoyl thienamycin, cefoxitin, β-lactamase induction, Aeromonas hydrophila, Serratia marcescens 7059.

antibacterial activity 6131.

antibacterial activity 8837.

antibacterial activity 9709.

antibacterial activity 3709. Cellulose, (continued)
decomposition, cellulolytic microorganisms 2879.
decomposition, hyphomycetes 2903.
decomposition, propham÷medinoterbacetate effects on 7012.
degradation, Rumonococcus albus 5601
direstion, rumen micropraganisms pure culture, carbohydrates. decomposition, prophami-medinoterbacetate effects on 7012. degradation. Rummnococcus albus 5601 dupus 5601 du antibacterial activity, affinity penicillin-binding protein, Bacteroides fragilis antibacterial activity, affinity penicillin-binding protein, Bacteroides fragilis 7053 antibacterial activity, anaerobic bacteria 2535, antibacterial activity, Chincial sapects 3396, antibacterial activity, Chincial aspects 3396, antibacterial activity, clinical aspects 3396, antibacterial activity, clinical aspects 3396, antibacterial activity, tierchoacteriaceae 4343, antibacterial activity, tierchoacteriaceae 4343, antibacterial activity, Eschenchia coli, role β-lactamase 4370, antibacterial activity, gram-negative bacteria 4362, antibacterial activity, yram-negative bacteria 4362, antibacterial activity, Haemophilus influenzae 4353, antibacterial activity, Haemophilus influenzae 4353, antibacterial activity, Pseudomonas aeruginosa 9732, antibacterial activity, Pseudomonas, Enterobacteriaceae 4344, antibacterial activity, Vievews 674, antibacterial activity, vievews 674, antibacterial activity, vievews 674, antibacterial activity, vieve flocks of the self-activity side effects, cost-benefit analysis, reviews 7143, antibacterial activity, side effects, cost-benefit analysis, reviews 7143, antibacterial activity, structure-activity relationships 2537, antibacterial activity, structure-activity relationships 2537, antibacterial activity, structure-activity relationships 2537, antibacterial activity, structure-activity relationships 2537. nydroysus, ciosrinaum aceroautyricum, neiosieria prieumoniae, rueis production 2018.
hydrolysis, kinetics, cellulase, Aspergillus niger. Trichoderma reesei.
Trichoderma viride 3789.
hydrolysis, Penicillium funiculosum, cellulase, glucose, recovery 7335.
hydrolysis, Pretreatment effects on, Trichoderma reesei, Aspergilius niger 3676.
hydrolysis, Trichoderma reesei cellulase, kinetics 9154.
hydrolysis, Trichoderma reesei enzymes activity 1056.
Medicago sativa cell walls, Ruminococcus albus biodegradation 9259.
metabolism, yeasts, ethanol, methane biosynthesis 7510.
pretreatment, cellulase hydrolysis, Penicillium funiculosum 7542.
pretreatment, cellulase hydrolysis, Penicillium funiculosum 7542.
substrates, Talaromycos emersonii cellulase sorption 9240.
sugar beets, Talaromycos emersonii cellulase 9240.
sugar beets, Talaromycos emersonii cellulase 9240.
sugar beets 9240.
sugar beets 9240.
sugar beets 9240.
sugar beets 92 antibiotic E-0702, antibacterial activity, β-lactamase stability 8833. antibiotic resistance, association, β-lactamase, uptake, Escherichia coli 9644, antibiotic resistance, Klebsiella oxytoca, clinical isolates 8731, antibiotic resistance. Neisseria gionorrhoeae 9637, antibiotic resistance, selection, Enterobacter cloacae 5157, antibiotic resistance, Staphylococcus aureus 5160.

antibiotic resistance, Staphylococcus aureus 7035, antibiotic resistance, Staphylococcus aureus 7035, antibiotic sensitivity testing 9746, antibiotic sensitivity testing, anaerobic bacteria 7136, antibiotic sensitivity testing, clinical isolates, bacteria 7132, antibiotic sensitivity testing, the demorphilus influenzae, Streptococcus pneumoniae 7985. 9644 Cellulose acetate,
membranes, isoelectric focusing methodology, bacteria β-lactamase 9038.
reverse osmosis membranes, biodegradation, bacteria, fungi 2883. memoranes, isoelectric rocusing memodology, bactena is-lactamase 9438. reverse comosis membranes, biodegradation, bacteria, fungi 2883.
Celluomonas, giveeni dehydrogenase biosynthesis 107.
Celivibrio glivus, collobiose phophorylase, purification, characterization 4616.
Cencoccum geophilum, mycorrhizas formation, i suga heterophylla seedlings, USA, Oregon 6912. scierota, abundance, microenvironments, soil, forests 6894. symbiosis, Tilia cordata, morphology 4207.
symbiosis, Tilia cordata, morphology 4207.
symbiosis, Tilia cordata, relationship, drought 4206.
Cencoccum graniforme, glutamate dehydrogenase (NADP*) activity, purification, nitrogen uptake 6464.
growth, cadmium, lead, nickel, effects on 3189.
Centaurea cyanus,
ucumber mosaic virus isolation, identification 2154.
Centaurium erythreea,
mycorrhizas, nutrient status, seasonal variations 1490.
Centratherum anthelminiform,
oil, antimicrobial activity 7909.
Centrifugation,
bacteria, milk, ultrahigh temperature pasteurization, organoleptic properties 7985 7985.
antibiotic sensitivity testing, Klebsiella pneumoniae serotypes 4369.
antibiotic sensitivity testing methodology, factor affecting 6305:
antibiotic sensitivity testing, Mycobacterium 7996.
antibiotic sensitivity testing, Nocardia asteroides 3384,
antibiotic sensitivity testing, Staphylococcus clinical isolates 9734,
antibiotic sensitivity testing, Staphylococcus clinical isolates 9734,
antibiotic sensitivity testing, Strapticococus group D 9748,
antibiotic synergiem, ceftizoxime, gram-negative bacilli, Staphylococcus 2531,
antibiotic LH-63196E new records, antibacterial activity, β-lactamase antibiotic U-63196E new records, antibacterial activity, B-lactamase stability 8832. biological properties, books 8182. biosynthesis, media (culture), inoculum 1608 biosynthesis, Streptomyces clavuligenus, cell-free system 1613. chemical modification, antibacterial activity 2540. +cloxacillin, antibacterial activity, gram-negative bacteria, β-lactamase 1610. 1610. companson, celmenoxine, antibacterial activity, gram-negative bacteria 6137. derivatives, antibacterial activity 6138. derivatives, structure-activity relationships, Morganella morganii, β-lactamase, hydrolysis 5241. derivatives, synthesis, antibacterial activity 6097. derivatives, synthesis, antibacterial activity 6135. derivatives, synthesis, antibacterial activity 6136. derivatives, synthesis, antibacterial activity, 8138. derivatives, synthesis, antibacterial activity, structure-activity relationships and significant structure-activity relationships and significant entrifugation, bacteria, milk, ultrahigh temperature pasteurization, organoleptic properties 2933 blood culture, bacteria, isolation methodology 9947. blood culture, bacteria, isolation methodology 9947.
clostridium separation, milk, cheese 8480
enumeration, bacteria, food contamination 3581.
+filtration, blood isolation methodology, anaerobic bacteria, bacteremia 9946.
preservation, methodology, Phytophthora palmivora 6347.
purification, rabies virus 3522.

Centrosems pubeacens,
cowpas severe mosaic virus infection 4930.

Caphalexin,
antibacterial activity 2529.
antibiotic resistance development, bacteria 6020.
antibiotic sensitivity testing 9746.
antibiotic synergism, alafosfalin, index, fractional inhibitory concentration 7989. 8839 derivatives, synthesis, antibacterial activity, structure-activity relationships 840
Enterobacter cloacae antibiotic resistance, role, B-lactamase activity 7036. gram-negative bacilli, antibiotic sensitivity testing 2449, gram-negative bacilli drug resistance, relationship hospitals 8737. induction B-lactamase, bacteria, comparison moxalactam 5273. induction B-lactamase, bacteria, comparison moxalactam 5273. images and properties are meziocillin, a zalocillin, antibacterial activity foliations, antibacterial activity, for sensitivity, testing 5242, new records, antibacterial activity, drug resistance 2512. standardization assays 4390. structure, relationship, carbonyl stretching 4360. structure-activity relationships, conformation 8818. structure-activity relationships, conformation 8818. structure-activity relationships, physicochemical properties, antibacterial activity, 4372. 8840 Jose.

Articolar activity 7137.

+flucoloxacillin, antibacterial activity, infection treatment, man 6132.
spectrophotometry 730.
synthesis, use, Xanthomonas citri immobilized cells 9749.

Cephallophora navicularia sp.nov.,
predation, Adineta, soil 9545. 6140
biosynthesis, Cephalosporium acremonium, association, S-sulfocysteine, use 733.
biosynthesis. Cephalosporium acremonium methionine analogs resistant mutant 4338.
column chromatography 3402.
penicillin N conversion association, Cephalosporium acremonium, glucose metabolism role 8002.
production, Cephalosporium acremonium 6115.
production, Cephalosporium acremonium, femmenters 7994.
production, Cephalosporium acremonium, femmenters 7994.
production, Cephalosporium acremonium, media characterization 8843,
relationship, proteolytic erazymes, biosynthesis, growth conditions, effects on,
Acremonium chrysogenum 4375. protoplasts fusion, recombination, β-lactam antibiotics biosynthesis 8806. use, S-sulfocysteine, association, cephalosporin C biosynthesis 733.

helosporium ceerulens, rulenin biosynthesis, zeolite effects on 1646. rulenin biosynthesis, zeolite effects on 1646. rulenin biosynthesis, zeolite effects on 1646. rulenin biosynthesis, zeolite effects on 1647. rathydrocarulenin, use affinity labelling, fatty-acid synthetase 8883. reliosporium gramineum, sease reissitance, Triticum asstivum, genetic variance 7747. fects on, Triticum, rotost freeze-thawing effects on 376. rupe, incidence, agricultural practices, Triticum aestivum 4960. halosporium sacchari, fullulase, celiulose biodegradation, oligosaccharides structure 4674. halothin, Cercospora contraria, leafspot disease control, Dioscorea dumetorum, fungicides use 5061. Cercospora eucalypti, leafspot, Eucalyptus, New Zealand 7706 Cercospora kliuchi, effects on Glycine max seeds germination, antagonism association Phomopsis in vitro 4939 Cercospora kikuchii, seeds new records, Glycine max, new records, Pakistan 7662. Cercospora nicotianae, cercosporin role, Nicotiana tabacum cell membranes peroxidation 9442. illulase, ceruiose biodegradation, origosacchanoes structure 4674.
halothin,
halothin,
hitbacterial activity, diptheroids 7977.
hitbacterial activity, gram-negative bacteria 4347.
hitbacterial activity, Haemophilus influenzae, inoculum size effects on 2532.
hitbiotic resistance, Escherichia coli, relationship β-lactamase activity Cercospora rosicola, abscisic acid biosynthesis, inhibition gibberellins, biosynthesis inhibitors abscisic acid production, factors affecting 2731, cytokinins inhibition abscissic acid biosynthesis 5531, Narcissus extracts effects on abscisic acid production 2732. minior resistance, Escherichia coli, relationship β-lactamase activity 7028. tiblicitic sensitivity testing 9746. ampylobacter fetus subsp.jejuni drug sensitivity testing 4292. clavulanic acid, antibiotic sensitivity testing, Mycobacterium fortuitum 7141. Narcissus extracts effects on abscisic acid production 2732.

Cercosporta acidi, leafspot. Cymbopogon martini 3985.

Cercosporta zese-maydla, leafspot. pathology. Zea mays 9337.
leafspot, pathology. Zea mays 9337.
leafspot, pelative humidity, dew, effects on, pathogenesis, zea mays 2135. sporulation, leafspot, pathogenesis, Zea mays 3957.
survival, Zea mays, crop residues, etiology 4051.

Cercospore zebrina, infection, Trifolium subterraneum, new records, Australia 8538.
leafspot, Medicago sativa 5570.

Cercospordidum personatum, leafspot, Chiorothalonii, disease control, Arachis hypogaea 1409.
leafspot, disease control, fungicides. Arachis hypogaea 9455.
leafspot, disease resistance, cultivars screening, Arachis 1949ogaea 9475.

Cercosporin, 7141.
mparison aztreonam, antibactenal activity, gram-negative bactena 8816.
mtamicin, antibiotic synergism, antibacterial activity analysis, methodology,
Klebsiella pneumoniae 6123.
B-lactam antibiotics antibacterial activity 3314,
yoobacterium antibiotic sensitivity testing 7996.
nsitivity, Staphylococcus epidermidis 8828.
hamycin,
httpacterial activity, Mycobacterium fortuitum 1615.
hamycin,
hamycin,
hamycin,
hamycin,
hamycin,
hamycin,
hamycina. hamycina, tibacterial activity 5198. olation, structure, Streptomyces chartreusis 6136. Cercospora nicotianae, role, Nicotiana tabacum cell membranes peroxidation 9442. Olation, screening of the hotaxim, hithacterial activity, Pseudomonas aeruginosa, Streptococcus group D, Klebsiella, Staphylococcus aureus, clinical isolates 8830. flood contamination, Penicillium viridicatum, media (selective) 7269. mycotoxins, food contamination, reviews 1099.

O-vanillin inhibition Aspergillus parasiticus, aflatoxins biosynthesis 3874. https://doi.org/10.1000/cons-aureus, clinical isolates 6830.
hradina Staphylococcus aureus, clinical isolates 6830.
hradina macrobic bacteria infection treatment, in vitro antibacterial activity 676.
https://doi.org/10.1000/cons-aureus/10.1000/co Cerebrospinal fluid, Cerebrospinal fluid,
assays, lipopolysacchandes, bacteria endotoxins 8525.
blood culture, media (isolation) 6331.
clinical isolates, bacteria, media (culture) 852.
clinical isolates, bacteria, media (culture) 852.
clinical isolates, Escherichia coli, ambibiotic resistance 7904.
Haemophillus influenzae, detection, Phadebact test, latex agglutination, counter immunoelectrophoresis, meningitis diagnosis 9941.
man, S-100 protein, measuring techniques, enzyme immunoassay, labelling, Escherichia coli ß-D-galactosidase use 857.
Cerival microflora, manufaction, methodology 883. naerobic bacteria infection treatment, in vitro antibacterial activity 676.
thibbacterial activity, Gardnerella vaginalis 8836.

huroxim,
huroxim, man, quantitation, sampling, methodology 883.

Cerotoma trifurceta,
feeding, regurgration, disease transmission, southern bean mosaic virus,
Phaseolus vulgaris 6738.

Cerulenin, Cephalosporium caerulens, biosynthesis, zeolite effects on 1646. Cervix, Haemophilus vaginalis, media (isolation), man 8112.

1-Catoxy-2-hydroxy-4-oxo-henelcosa-12,15-dlene,
Persea americana, antifungal activity, Colletotrichum gloeosporioides,
post-harvest decay 2471. Ceuthospora lunata, black rot, pathology, Vaccinium macrocarpon 4052. Cezomycin,
biosynthesis, Streptomyces chartreusis 2597.
CGA 49104, utch elm disease, environmental impact, population changes, Aves, Ulmus 6927. utch elm disease, isolation, annual rings, Ulmus americana, USA, California (2310). Titch elm disease, Ulmus 4145. utch elm disease, Ulmus americana, defects 4152. utch elm disease, Ulmus americana, prophylaxis, benzimidazole derivatives 1458. utch elm disease, viyerm, dysfunction, Ulmus americana 8640. Uttch elm disease, viyerm, dysfunction, Ulmus americana 8640. Uttch elm disease, viyerm, dysfunction, Ulmus americana 8640. Uttopenicity, Ulmus americana, Ulmus parvifolia, Zelkova serrata 5871. utcoystis wageneri, ection, Pinus ponderosa, disease spread 1451. ection, Pinus ponderosa, disease spread 1451. ection, Pinus ponderosa, relationship, soil, redox potential 9518. dt rot, mortality, Pinus, forests 5075. et al., e blast, Oryza sativa, effects on Pyricularia oryzae pathogenesis 5827. CGA-64251, CGA-64251, antitungal activity, oranges green mold, comparison, thiabendazole, sodium orthophenylphenate 1319. disease control, lemons sour rot, post-harvest decay 1322. drug resistance, pathogens, Mangifera indica 1532. drug resistance, pathogens, Mangifera indica 1532. foliar applications, Begonia, powdery mildew, antifungal activity 1393. Chaetoglobosins, N.M.R., Chaetomium globosum 7454. Chaetomium, and production 5901. N.M.R., Chleatomium glubosum 7458.

Cheetonium, aluminum phosphate solubilization, acid production 5891. association cryptogams, North America deserts soil 5887.

Cheetomium cellulotyticum, cellobiose dehydrogenase, hydrolysis, cellulose 8253. cellulose biodegradation, piomass production 5592. lignin biodegradation, pinus, straw 171. lignocelluloses biodegradation, single-cell protein production, nutritive value, toxicity testing, laboratory animals 9116. protein biosynthesis, biodegradation, cell walls, crop residues, Zea mays 8418.

Cheetomium crispatum, cellulolytic enzymes, cellulose hydrolysis 9151.

Cheetomium globosum, natagonists, screening, biological control, Venturia inaequalis, scab 3740. cellulose biodegradation, association, carbohydrates composition 3767. chaetoglobosins, N.M.R. 7454. cellulose lolodgradation, association, caribohydrates composition 3767. chaetoglobosins, N.M.R. 7454. chemotropism, association, wood volatiles 3765. dethio-lettqimethytholychetomin, structure, x-ray crystallography 2576. Cheetomium oilvaceum, biological control, Agaricus bisporus, Bacillus use 3052. Cheetomium pachypodioides, carbohydrates effects on 7547. Cheetomium spirale, collulose biodegradation, association, carbohydrates composition 3767. Cheetostylum thermophile var.coprophile, biodegradation, Canarium schweinfurthii, bark 550. Cheetostylum fresenii, lipolysis, proteolytic enzymes, activity, temperature, effects on 5512. Chakiaone lodde, antifungal activity) 336. Chalara microspora, cytochalasin M, structure, X-ray crystallography 1959. Chalciporus pseudorubinus, new records, soil, Pinus leucodermis, forests 7778.

Chamaecyparis lawsoniana,
Phytophthora cinnamomi experimental infection, disease resistance 472.
Chamaecyparis nootkatensis,
wood decay, Gloeophyllum trabeum, Poria placenta 3177.

Champagne, morphology, Saccharomypes vini, Saccharomypes oviformis 1990. flavor, yeasts additives 5572, yeasts fermentation, organoleptic properties, fermenters 7520. Chancroid,

Haemophilus ducreyi clinical isolates, antibiotic sensitivity testing, association, treatment, man 5191.

Charcoal, soil amendment, effects on Rhizobium, nodulation, yield, Glycine max 9582.

Charcoal rot, disease transmission, Cylindrocopturus adspersus role, Helianthus annuus 9444 Mangifera indica, Macrophomina phaseolina, symptoms 2222.

Manginera miloza, MacLuptininia priasodinia, symptonis ELEE.

Cheddar cheese,
cheese flavor, volatiles, ripening 9272.
cheese, heat treatments, thiocyanate+hydrogen peroxide+lactoperoxidase effects on
4809.

quuly.

curing, survival. Campylobacter fetus subsp.fetus 2032.
lactic acid bacteria. D-lactic acid enantiomers, formation 8463.

organoleptic evaluation, starter cultures, Streptococcus lactis,

β-D-galactosidase mutants 9269.

production, sodium chlonde effects on clostridium growth 4850.

production, starter cultures, Streptococcus lactis, mutants, lactose fermentation 7570.

1970.
ripening, contamination, aflatoxin M1 levels 281.
ripening, proteolytic enzymes, organoleptic evaluation, cheese flavor 9270.
ripening, proteolytic enzymes, organoleptic evaluation 9271.
ripening, sodium chloride: potassium chloride, Staphylococcus aureus, growth,
enterlotoxins biosynthesis 2037.
starter cultures, milk; contamination, phages 4804.

starter cultures, milk, contamination, phages 4604.

Cheese, acidic, curd, fermentation, starter cultures, thermophilic bacteria 8459, cheddar cheese, sodium chloride effects on clostridium, growth 4850.

Clostridium botulinum growth, toxins production 2074, clostridium separation, centrifugation 8480.

fermentation, heat treatments, thiocyanate + hydrogen peroxide+ lactoperoxidase effects on 4809.

food contamination, Salmonella, Staphylococcus aureus 8487 food contamination, Salmonella, Staphylococcus aureus 8487 food contamination, Staphylococcus aureus, enumeration, survival 4797. lactic acid bacteria, starter cultures levels, organoleptic evaluation 3822. Lactobacillus helveticus, Lactobacillus bulgaricus, Lactobacillus lactis, effects on, ripening 200. Lactobacillus helveticus, Lactobacillus bulgaricus, Lactobacillus lactis, effe on, ripening 200. maturation, association, gas production 237. microflora, yeasts 7585. mycophenolic acid biosynthesis, Penicillium roqueforti 982. Penicillium isolates, potassium sorbate resistance 659. production, food contamination, Escherichia coli, factors affecting survival 4856.

production, galactose fermentation, Streptococcus thermophilus+lactic acid bacteria 8461.

production, inoculum, Streptococcus lactis, Leuconostoc lactis 198, production, lactic acid bacteria ripening, soybean milk, organoleptic properties 3823

production, Lactobacillus casei contamination 9274.

production, Lactobacillus casei contamination 9274.
production, nutritive value 2036
production, pasteurized milk, lactic acid bacteria, organoleptic evaluation 6662.
production, psychrotrophic bacteria effects on yield 4788.
products, food contamination, Clostridium botulinum, toxins production 2943.
Proponibacterium shermani, enumeration 7572.
ripering, amino acids levels, bacteria 5603.
prening, Bactilus subtilis proteinase 4794.
ripering, contamination, aflatoxin M1 levels 282.
ripering, effects on aflatoxin M1 levels 280.
ripering, lactic-acid bacteria, temperature effects on 8460.
ripering, lactic-acid bacteria, temperature effects on 8460.
ripering, proteolysis, lactic acid bacteria, coliforms, organoleptic evaluation 7584. 7584

ripening, salt, effects on, proteolysis 221. starter cultures, inhibition, artibiliotics levels, milk 8482. water content, Streptococcus thermophilus, acid production, starter cultures

8462

8462.

whey, conversion, single-cell protein production, yeasts 9286.

whey, digestion (anaerobic), chemicals flocculants effects on 9809.

whey, trace elements effects on Candida intermedia 3817.

Cheese flavor,

cheese flavor,

cheese fipening, chemical analysis, Lactobacillus levels 2906.

organoleptic evaluation, Cheddar cheese, proteolytic enzymes ripening 9270.

Volatiles, ripening, Cheddar cheese 9272.

Chelates,

Chelates, nutrient availability, sewage sludge, digestion (anaerobic) 8947.
Chelating agents,
Bolotus edulis extracts, iron, soil 9558.
disassembly, retrovirus 699.
Chemical analysis,
milk pasteurization, bacteria 191.

milik pasteurization, pacteria 191.

Chemical control,
Ephelis oryzae infection, Oryza sativa 3149.
metalaziyi, analogs, Phytophthora infestans, Solanum tuberosum 2288.
needlecast, Phabdocline pseudotsugae, Pseudotsuga menziesii 2312.
Uromyces appendiculatus infestation, Australia 8589.
wilit, Fusarium oxysporum f.sp.gladioli, Gladiolus 3995.
Chemical extraction,
organic compounds, toxicity, anaerobic bacteria, fermentation 8778.

organic compounds, toxicity, anterious bacteria, interious control of the Chemical modification, aminopeptidase, active sites characterization, Aeromonas proteolytica 956.

N-bromosuccinimide, tryptophan residues, histidine decarboxylase, Micrococcus 24 coupling factor 1, mitochondria, Saccharomyces cerevisiae 943.

"Glutamylcysteine synthetase, effects on kinetics, Proteus mirabilis 944.

Phytolacca americana proteins, effects on antiviral activity 1576.

Chemical pollution,
benzene, biodegradation, soil microorganisms 6952.
mutagenicity testing, bacteria 1784.

Chemical poliution, (continued)

soil microorganisms, phenol, biodegradation 8420. Chemical speciation,

mercury, aquatic environment 1516. Chemicals,

mercury, aquate environment 100.

Chemicals, antifungal activity 336.
distrilection, diapers 801.
flocoulants, effects on digestion (anaerobic), cheese whey 9809.
production, use, fungl, reviews 5443.
+ y radiation+heat treatments control, Rhizopus nigricans post-harvest decay, tomatoes 2237.
resistance, Bacillius megaterium spores, association, phosphate media 3280.
treatment, Brassica napus crop residues, Leptosphaeria maculans reproduction stages suppression 463.
wastes, activated sludge treatment, bioreactors 9804.

Chemical microbiology, detection, bacteria, methodology 4478.
Chemopodium amaranticolor, disheren mosaic virus. Richardia africana, Araceae 9420.

Chemopodium ambrosiodes, dasheen mosaic virus, Richardia africana, Araceae 9420.

Chemopodium quinos, disherdia africana, Araceae 9420.

Chemopatias, Bacillus amyloliquefaciens, endo-1,3(4)-p-0-glucanaee production 2808.

Bacillus amyloliquefaciens, endo-1,3(4)-8-D-glucanase production 2808. continuous culture, microorganisms, growth rate, reviews 7211. growth models 9005. methodology, growth, nutrient requirements, dental plaque isolates, bacteria, yeasts 4497.

methodology, growth, nutrient requirements, dental plaque isolates, yeasts 4497. Vibrio cholerae, nutrient status, effects on, immunogenicity, vaccines 1686.

Physarum polycephalum, antimicrobial agents effects on 4306. Chemotherapeutics, sensitivity, Streptococcus animal isolates 5193. Chemotropism,

Chemotropism, decay fungi, association, wood volatiles 3765.

Chenopodium, infection, tobacco necrosis virus, isolation, British Isles rivers 4020. tulip breaking virus, transmission (mechanical), Lilium longiflorum 7707.

Chenopodium amaranticolor, cytology, strawberry latent ringspot virus infection 3040. lucerne transient streak virus, RNA, induction, lesions 5779. lobacco necrosis virus infection, antiviral agents isolation, characterization

Chenopodium ambrosloides, essential oils, antifungal activity, Rhizoctonia solani 7933.

essential ons, amounting activity, http://ciciona.soia.ir/sos. Chenopodium murale, indicator species, carnation latent virus infection 6806. Chenopodium quinos, Aphididae disease transmission potato virus S strains, isolation, North America

6829
cactus virus X isolates charactenzation 5019.
potlyvrus infection, pathogenicity, Populus isolates 316.
sour cherry necrotic nig spot virus infection 2144.
Cherry leaf roll virus,
association, Phaseolus vulgaris black line, cytopathology 339.
Prunus avium infection 2143.

Prunus avum intection 2143.

Chewing gum,
dental plaque prevention, man, association, xylitol, sorbitol 817.

Chick embryos,
influenza virus, antiviral activity, noramide 9692,
polyribonucleotides, antiviral activity, Semliki forest virus 1578.
Loxicity, ochratoxin Az citrinin 2068.

Chickens

antigenicity, herpesvirus (equine) 1 vaccines, production 8053. avian infectious bronchitis virus antibody response, neutralization detection

Sol4.

bacteria food contamination, abattoirs 2034.

carcasses, food contamination, Campylobacter fetus subsp.jejuni 1082.

carcasses, food contamination, Enterobacteriaceae, Salmonella, radiation,

carcasses, tood contamination, Enterobacteriaceae, Salmonella, radiation temperature, effects on 4786.
carcasses, food contamination, Salmonella, detection methodology 1077.
carcasses, incidence Salmonella 195.
egg production, aflatovins effects on 4888
eggs, food contamination, Coestridium perfringens, Enterobacteriaceae,
Staphylococcus 187.
Clostridium perfringens, Enterobacteriaceae,
Staphylococcus 187.

Staphylococcus 167.
embryo cells, transformation, Rous sarcoma virus, antiviral activity, 2-ntronaphthofuran derivatives 3362.
Escherichia coli animal solates, antibioto resistance, R factors 7043.
Escherichia coli isolates, antibioto sensitivity testing 4333, feeding trials, nutritive value, single-cell protein, Saccharomyces fragilis 7608.

feeding trials, single-cell protein, yeasts, calcium, phosphorus, supplementation 9285.

feeding trials, Torula single-cell protein 3856. feeds, γ radiation effects on, disinfection, storage 8492 feeds additives, Torula 6682.

feeds additives, Torula 6682 feeds contamination, association Aspergillus flavus cyclopiazonic acid biosynthesis 8512. Campylobacter fetus subsp.jejuni, abattoirs 2925, infection, Coxiella burnetti, antibacterial activity, Allium sativum 668, isolates, Eschenchia coli, R factors, drug resistance 7039, juveniles, intestinal microflora, Eschenchia coli drug resistance 2411, livers, food contamination, Campylobacter fetus subsp.jejuni 9277. metabolism, aflatoxin B1 levels effects on 3882. Mewcastie disease virus vaccines production, immunity 1687. Newcastie disease virus vaccines production methodology effects on efficacy 8923.

salinomycin feeding effects on antibiotic resistance, coliforms, Streptococcus 3289

Szen. Salmonella contamination, abattoirs 4845. Salmonella isolation, media (ennchment) 9060. Staphylococcus aureus, enterotoxins, biosynthesis 6727.

ckens, (continued)

xicity testing, teratogenicity testing, nutritive value, single-cell protein, Chaetomium cellulolyticum 9116.

achea washings, detection, Mycoplasma galilisepticum inhibitors 6302.

cory blotch virus, (ection, cytology, electron microscopy, Cichorium intybus 2165.

cory virus X, election, Cytology, electron microscopy, Cichorium intybus 2165.

cory virus X, election, Cichorium intybus, isolation, characterization 3038.

Xitem, Cichorium intybus, interest and cateria dental disorders, prophylaxis 311.

Xitem, Cichorium interest and cateria dental disorders, fireatment 810.

Xitem, Cichorium interest and cateria dental disorders, fireatment 810.

Xitem, Cichorium interest and cateria dental disorders, fireatment 8077.

Xitem, Cichorium interest and cateria prophylaxis, filtuoride water treatment 8077.

Xitematicaries, prophylaxis, filtuoride water treatment 8081.

Xitematicaries, prophylaxis, filtuoride water treatment 8081.

Xitematicaries, prophylaxis, sodium filtuoride mouthwashes 8990.

Xitematicaries, relationship, oral hygiene, sugars consumption 8991.

Xitematicaries, relationsh Chlamydospores, Glomus, antisera production 6965, infectivity, forests soil effects on Phytophthora 1483. Phytophthora cinnamomi, formation, soil survival, infection, Lupinus angustifolius 5693. Thelavopsis basicola, germination, nutrient availability, fungistasis, soil 9572. Chloramphenicol, analogs, antibiotic resistance, R factor R26, R factor R55-1, Escherichia coli 654 analogs, antibiotic resistance, R factor R26, R factor R55-1, Escherichia coli 654, antibacterial activity, antibiotic resistance, Haemophilus influenzae, Streptococcus pneumoniae 7985, antibacterial activity, dipriheroids 7977, antibacterial activity, Haemophilus influenzae 2511, antibacterial activity, Haemophilus influenzae 7981, antibacterial activity, Haemophilus influenzae, Neisseria gonorrhoeae, Salmonella lyphi, Salmonella paratyphi 756, antibacterial activity, pharmacokinetics, side effects 5172, antibacterial activity, Streptococcus pneumoniae 7154, antibiotic antiagonism, penicillins, Listeria monocytogenes 5247, antibiotic resistance development, bacteria 6020, antibiotic resistance, eschenchia coli, urinary tract clinical isolates 7034, antibiotic resistance, R factors, Shigella 7044, antibiotic resistance, R factors, Staphylococcus aureus 2403, antibiotic resistance, R factors, Staphylococcus aureus 2403, antibiotic resistance, Salmonella typhimurium clinical isolates 482, antibiotic resistance, Salmonella stolates, Netherlands, incidence 5161, antibiotic resistance, Salmonella typhimurium clinical isolates 7034, antibiotic resistance, Salmonella pyhimurium clinical isolates, recombinants 3266. sceo.

artibiotic sensitance, Streptococcus pneumoniae drug resistance 3300.
artibiotic sensitivity testing, antibiotic resistance, Haemophilus influenzae,
Haemophilus parainfluenzae 7873.
artibiotic sensitivity testing, Campylobacter fetus subsp.jejuni, clinical
isolates 8099. isolates 6099.

antibiotic sensitivity testing, Clostridium perfringens 4336.
antibiotic sensitivity testing, Propionibacterium acnes, clinical isolates 3381.
antibiotic sensitivity testing, Propionibacterium acnes, clinical isolates 3381.
antibiotic synergism, antibioacterial activity, daunomycin transformation, Streptomyces erythrichromogenes sp.nov. 675.
Bacillus stearothermophilus var.calidolactis antibiotic sensitivity testing 5180.
bacteria uninary tract isolates, antibiotic sensitivity testing, antibiotic resistance 4287.

Practicidal activity. Heampohilus influenzae, comparison, Escherichia coli ce almonella infection treatment, antibacteriar activity, rosiumyomile,
neat products, Clostridium perfringens food contamination 208.
Hilsg.
eersea americana, Verticillium with incidence 5737.
Hilling.
eet carcasses, effects on bacteria enumeration 8476.
lol Influscatellus,
iological control, Bactospeine 1042.
meramycin,
treptomyces ambofaciens, biosynthesis 9772.
no. iological control, Bactospeine 1042.

meramycin,
inteptomyces ambofaciens, biosynthesis 9772.
na,
bood industry fermentation 3821.
na, People's Rep.,
rachis hypogaea, peanut mild mottle virus infection, etiology 935
Intrysanthemum, chrysanthemum stunt viroid infection, detection 6811.

onochiola rigida,
rasslands soil, assays, β-D-fructofuranosidase, amylase, pH effects on, New
Zealand 9564.
resistands explication, fungi 7127.
tibiotics production, fungi 7127.
tin,
production fungi 7127.
tire resistance, enabled activity, Haemophilus influenzae, comparison, Escherichia coli, cell vocie 5259.
biosynthesis, Streptomyces venezuelae, β-D-glucosidase suppression, association, glucose 2560.
campylobactivity testing 7133.
campylobactivity testing 4292.
comparison, ampicilin, cefamandole, bactericidal activity, Haemophilus influenzae, comparison, Escherichia coli 765.
trug resistance, enterioidal activity, Haemophilus influenzae, comparison, Escherichia coli, cell vocie 5259.
biosynthesis, Streptomyces venezuelae, β-D-glucosidase suppression, association, cefamandole, bactericidal activity, Haemophilus influenzae, comparison, Escherichia coli, cell vocie 5259.
biosynthesis, Streptomyces venezuelae, β-D-glucosidase suppression, association, cefamandole, bactericidal activity, Haemophilus influenzae, comparison, Escherichia coli, cell vocie 5259.
biosynthesis, Streptomyces venezuelae, β-D-glucosidase suppression, association, cefamandole, bactericidal activity, Haemophilus influenzae, comparison, Escherichia coli, cell vocie 5259.
biosynthesis, Streptomyces venezuelae, β-D-glucosidase suppression, association, cefamandole, bactericidal activity, Haemophilus influenzae, comparison, activity testing 4292.
comparison, ampicilius, cefamandole, bactericidal activity, Haemophilus influenzae, comparison, activity testing 4282.
comparison, ampicilius, cefamandole, bactericidal activity, Haemophilus influenzae, comparison, association, cefamandole, bactericidal activity, Haemophilus influenzae, comparison, association, cefamando effects on 1625
resistance, enhancement mechanisms, genetic analysis, Escherichia coli 7894.
resistance, Salmonella typhi, clinical isolates, case reports 2416.
resistance, Streptococcus pneumoniae, British Isles 646.
Salmonella typhi resistance 5154.
sensitivity, Streptococcus animal isolates 5193.
Streptomyces venezuelae, biosynthesis, gene mapping 4388.
Streptomyces venezuelae, biosynthesis, mechanisms, enzymes association, plasmids role 8657. reflects on 1625, resistance, shannocement mechanisms, genetic analysis, Escherichia coli 7894, resistance, Salmonella typhi, clinical isolates, case reports 2416, resistance, Salmonella typhi resistance, Sal tin. disinfectants aerosols, airborne microorganisms 5346.
Chlorhexidine,
antibacterial activity 6040.
antibacterial activity, dental caries, man 3503.
antibacterial activity, microflora, hand, man 6275.
drug resistance, Serratia marcescens 1525.
+2-propanol, antibacterial activity 5355.
soaps, use, prophylaxis, skin infection, man, reviews 6276.
Chlorhexidine gluconate,
+dental coment, antibacterial activity 677.
levels, contact lenses cleaning systems, colorimetry 4324.
Chloridazor. diseases, Gossypium birsutum 7769.

mmydle,

pati inactivation, antibiotics, antibacterial activity 9714.
olation, staining, detection, methodology 8123.

mmydla patitaci,

plure, viruses transfer 9015.

rug sensitivity testing, antimicrobial agents 7087.
olation, Anatidae, antibiotic resistance 8741.

protyping, immunofluorescence 875.

mmydla tractometis,

ribbacterial activity, P-lactam antibiotics 3396.

httbacterial activity, Clindamycin 6162.

https://doi.org/10.1006/ Chloridezon, biodegradation, thiosulfate sulfurtransferase, bacteria 156. Chloride, agricultural practices, effects on incidence. Gaeumannomyces graminis var.tritici, take-all, Triticum aestivum 9361. uptake, Gramineae, vesicular-arbuscular mycorrhizas 5101. MCCoy cells 6008.

1-detailmidino-2-phenylindole, fluorescence staining 3619.

1-detailmidino-2-phenylindole, fluorescence staining 3619.

1-detailmidino-2-phenylindole, fluorescence staining 3619.

1-detailmidino-2-phenylindole, fluorescence staining 3619.

1-detailmidino-2-phenylindole, service immunoassay 9894.

1-detailmidino-2-phenylindole, service staining 3619.

1-detailmidino-2-phenylindole, service staining 3619.

1-detailmidino-2-phenylindole, service staining 3619.

Chloride peroxidase,
Caldariomyces furnago, concentration effects on activity 4659.
Caldariomyces furnago, isoenzymes, purification 2757.

antifungal activity, pears post-harvest decay 1323

drinking water, Aeromonas sobria isolation, biochemical characteristics 6262, water, meat contamination prevention 7611.

Chlorination,

Chiorine.

obstance methodology, cell culture association fetal calf serum 9961.

mydobacterlaceae,
entification, isolation, drinking water 9818.

95

Chlorine, (continued)
antiviral activity, poliovirus 2468.
disinfection, dishwashers, water temperature 4458.
disinfection, dishwashers, water temperature 4458.
effects on, hepatitis A virus, infectiviry, Saguinus fuscicollis, Saguinus labiatus labiatus, experimental infection 2488.
fungi, effects on conidia 2475.
hepatitis A virus, indicator species, inactivation, pH effects on, disinfection,
drinking water 9812.
residual effects, distilled water, antibacterial activity, Escherichia coli 2462.
resistance, bacteria, drinking water isolates 633.
Washing, sheep, goats, carcasses 6684.
Chlorine dioxide,
antiviral activity, poliovirus 2468. Choanephora cucurbitarum, blight, Pathogenicity, Capsicum annuum 4004. Chocolate growth patterns, Saccharomyces rouxii, isolation 4822 Chocolate spot,
Pseudomonas syrningae pv.coronafaciens, Zea mays 1199. Cholera.

Cholera chief cholerae 6713.

enteroxins biosynthesis, Vibrio cholerae 6713.

enteroxins biosynthesis, Vibrio cholerae 6713.

toxins, biosynthesis, Vibrio mmicus, Vibrio cholerae 9314.

water-borne diseases, man, drinking water 2633. Washing, sirely years, which control of the control Indesteron, bloodegradation, Nocardia, media (culture) effects on 2893. biodegradation, Streptomyces 2881. Conynebacterium, conversion, 20-carboxy-pregna-1,4-dien-3-one production 120. Cholesterol oxidase,
Actinomyces lavendulae, purification, characterization, ion-exchange chromatography 6554. Choline, methanogenesis, Methanosarcina barkeri, interaction, Desulfovibrio 3261.
Chondroitin sulfate,
digestion, Bacteroides thetaiotaomicron 3792.
Chondrostereum purpureum,
silver leaf, Prunus domestica, biological control 4067.
wound infection, disease control, fungicides+paints, Prunus armeniaca, Prunus avium 8629.

Choriamate mutase,
purification: characterization, Hansenula polymorpha 40,
sites, prephenate dehydrogenase localization, Escherichia coli 5487.

Choristoneura fumiferana,
biological control, Bacillus thunngiensis, foliar applications 6614,
biological control, companson, pathogens virulence, Bacillus thunngiensis 85
biological control, pathogens, Bacillus thunngiensis, Thuricide 16B, Dipel 88 avium 8629 m-Chlorobenzoate,
Pseudomonas fluorescens, cometabolism, sodium benzoate levels effects on 2016
Chlorobenzoates,
dehalogenation, bacteria 4749.
4-Chlorobenzoates,
dehalogenation, bacteria 4749.
4-Chlorobenzole acid,
media, Pseudomonas amino acids biosynthesis 7308.
2-Chlorobiphenyl,
biodegradation, bacteria, rivers sediments isolates 8421.
3-Chlorobiphenyl,
biodegradation, bacteria, rivers sediments isolates 8421.
4-Chlorobiphenyl,
biodegradation, bacteria, rivers sediments isolates 8421.
Chlorobium,
S-aminolevulinic acid biosynthesis mechanisms 8209.
Chlorobium limicola,
ATP citrate (pro-35)-yase, purification, characterization 962.
Chlorobium limicola f.ap.thiosurfatophilum,
conversion, hydrogen suifide, carbon dioxide 2894.
cytoplasmic membranes lipids, characterization 6589.
Chlorobium wibrioforms,
glutamine synthetase, adenylylation 7319.
biodegradation, soil microorganisms 6967.
2-Chlorotexun, methanogenesis, acetic acid, metabolism, methanogenic bacteria 5136.
Chlorotexus,
5-aminolevulinic acid biosynthesis mechanisms 8209. 9222. biological control, sprays, Bacillus thuringlensis 7488 biological control, sprays, Bacillus thuringlensis 8350 Chromated copper arsonate, treatment, wood, fungi biodegradation 3766. treatment, wood, rungi biodegradation 376s.

Chromatin, siolation methodology, characterization, Escherichia coli 3620.

Chromatium vinosum, cytochrome c551, isolation, purification, characterization 4555, nbulosebisphosphate carboxylase, purification methodology 5409.

Chromatofocusing, purification reaction centers, cytochrome c2, thylakoids, Rhodopseudomonas Chromatography, Citrinin detection, grain 7589. collistins fractionation 4417. colistins fractionation 4417.
immunoabsorption, purification, Escherichia coli acyl carrier protein 8193.
immunoglobulin M separation techniques, man, hepatitis A 1755.
Lactobacillus casei folacin, food contamination 4781.
Streptomyces cinnamomeus phospholipase D 28.
Chromatophores,
ATP regeneration, Rhodospirillum rubrum 3733.
Rhodopseudomonas capsulata, ATP measurement, reactors 4482.
Chromelosportum ollare,
infection, Basidiomycetes culture 9407.
Chromium. Innuition, memanogenesis, acent eact, memanos, Chloroflexus, 5-aminolevulinic acid biosynthesis mechanisms 8209. Chloroheptane-2-one, conversion, Absidia repens 3801. Chloroneb, resistance, Aspergillius nidulans mutants 5151. Chloroneband. resistance, Aspergimen investigation of the Chlorophenol, characteristic resistance, antimicrobial activity 6029. derivatives, structure-activity relationships, antimicrobial activity 6029. 1/4-Chlorophenoxy)-3,3-dimethyl-2-(1,2,4-triazol-1-yl)methyl-2-butanol, antitungal activity, yeasts, Zygomycetes, clinical isolates 4301. Chromophilis. Chromophilis of the Chlorophylis. Chromium, bacteria uptake, wastewater treatment 5313.
Bacteroides susceptibility 681.
Bacteroides susceptibility 681.
Containing complexes, separation methodology, Saccharomyces carlsbergensis chromium 8155.
resistance, Saccharomyces cerevisiae, detoxification mechanisms 3272.
soil amendment, sewage sludge, effects on soil microorganisms, growth 5988.
Chromium chloride,
antibacterial activity, Proteus 6014.
Chromobacterium,
bacteria growth association carbon 6069. Cucumber mosaic virus, infection, Nicotiana tabacum, effects on, ultrastructure 30/8:
Chloropicrin,
+methyl bromide, toxicity, sclerotia, Sclerotium rolfsii, Verticillium albo-atrum, relative humidity effects on 499, treatment, Phellinus weirii infection, Pseudotsuga menziesii 545.
Chloropropham, specificity, cell cycle, Schizosaccharomyces pombe 690.
Chlorosig.
industria. Rhizobium japonicum nodulation, Arachis hypogaea 78 antibacterial activity, Proteus 6014.

Theoropopham, infection, Pseudotisuga menziesii 545.

Thioropopham, infection, Pseudomonas phaseolicola 2989.

Phaseolus vulgaris, phytotoxins induction, Pseudomonas phaseolicola 2989.

Phaseolus vulgaris, phytotoxins induction, Pseudomonas phaseolicola 2989.

Thioropopham, infection, Pseudomonas syringae pv. Valgetis, host range, Helianthius annuus 1304.

Thioropopham, infection, Pseudomonas syringae pv. Valgetis, host range, Helianthius annuus 1304.

Thioropopham, infection, Pseudomonas syringae pv. Valgetis, host range, Helianthius annuus 1304.

Thioropopham, infection, Pseudomonas phaseolicola 2989.

Thioropopham, infection, Pseudomonas Chloroals, induction, Rhizobium japonicum nodulation, Arachis hypogaea 7828. Phaseolus vulgaris, phytotoxins induction, Pseudomonas phaseolicola 2989. Pseudomonas syringae pv.tagetis, host range, Helianthus annuus 1304. Chlorotetracycline, +sodium chloride, treatment, seafood, effects on bacteria, spoilage 2922. Chlorothalomii, residius, Solienum themosum foliage, mathematical modele, funci 5810. residues, Solanum tuberosum foliage, mathematical models, fungi 5819. Chlorothalonil, disease control, Rosa canker 1410.
disease control, Sclerotinia minor, blight, Arachis hypogaea 3151.
disease control, Uromyces appendiculatus var.appendiculatus rust, Phaseolus Chrysanthemum, chrysanthemum stunt viroid infection, China, People's Rep., detection 6811. disease resistance, rust, Puccinia horiana 8609. infection epidemiology, chrysanthemum virus B, tomato aspermy virus, tomato spotted with virus 6580. rust, Puccinia horiana 2204. Chrysanthemum morifollum, crown gall 1306. disease resistance, Fusarium oxysporum f.sp.chrysanthemi inoculation 4999. stems, Pseudomonas cichorni necrosis outbreaks, USA, Florida 5023. wiit, Fusarium oxysporum f.sp.chrysanthemi, inoculation, pathogenesis 5764. vulgars 9491.
+ metalaxyl treatment, Spinacea oleracea, white rust, blue mold, disease control 5064
treatment, brown spot, Drechslera oryzae, Drechslera sorokiniana, Zizania aquatica 2272.
Chorpromazine, antibacterial activity 8753.
bacteriostasis, antibacterial activity, Bordetella 3323.

buds development, effects on vesicular-arbuscular mycorrhizas formation, Glomus fasciculatus 4197.

Chrysanthemum stunt virold, infection, Chrysanthemum, China, People's Rep., detection 6811.

biosynthesis, levels 8004

detection, milk, blood 4393.

Chlorietracycline, biosynthesis, Streptomyces aureofaciens, apyrase, inorganic pyrophosphatase,

Chrysanthemum virus B, infection, Chrysanthemum, epidemiology 8580. Chrysanthenum, callus, disease spread, potato spindle tuber viroid, tomato ringspot virus, potato virus M 5793. Citrate (pro-3S)-lyase, (continued) Citrate (si)-synthase, Cltrate (a)-synthase,
allosteric properties, dithobis (succimidy) propionate) cross-linking effects
on, Acinetobacter calcoaceticus 4676
allosteric properties, subtilisim proteolysis effects on, Acinetobacter
calcoaceticus 4677,
purification, characterization, Escherichia coli 4662.
Cltrate synthase,
isolation, characterization, Thermus aquaticus, Halobacterium salinarium 5497,
production, genetic engineering, Escherichia coli 2786.
purification, characterization, Bacillus megaterium 7396.
Cltric acid. polato virus M 5793.
Chrysene,
biodegradation, composting 2875.
Chryseney, welril,
rust, pathology, Picea pungens 8659.
Chryseaporlum,
incidence, soil, Germany, Fed. Rep. 3185.
invasion, Trifolium repens 5692.
isolation, floors, education institutions 8983.
Chryseaporlum crassitunicatium,
enzymes biosynthesis, media (culture) 3630. Citric acid, Soliation, floofs, education institutions 9983.

Chrysosporium crassitutional systems of the control of the con Itric acid,
antibacterial activity, peridontal diseases, roots surfaces 2457.
Aspergillus niger, aluminum extraction, ash, industrial wastes 5989.
Aspergillus niger, biosynthesis, aeration, agitation effects on 3644.
Aspergillus niger, production, fermentation, whey 8196.
biosynthesis, Aspergillus niger 3661.
biosynthesis, Aspergillus niger agifation effects on 3642.
biosynthesis, Aspergillus niger fermentation, molasses solution 5475.
biosynthesis, Saccharomycopsis lipolytica, association, utilization, glucose, biosynthesis, Saccharomycopsis lipolytica, association, utilization, glucose, alkanes 6396 bosynthesis, yeasts, carbon sources effects on 7309. fermentation, gluconic acid, formation, Aspergillus niger 1842. fermentation, redox potential, Aspergillus niger services, enzymes activity association 5483. production, Saccharomycopsis lipolytica, enzymes activity association 5483. production, Aspergillus niger, amino acids effects on 5484. production, Aspergillus niger, inhibitors 8210. production, Aspergillus niger, vitamina effects on 5468. production, Aspergillus, yeasts, reviews 5470. production, Saccharomycopsis lipolytica 3645. production, Saccharomycopsis lipolytica 3647. littinin. 8678.

Phytophthora megasperma f.sp.glycinea, pathogenicity, temperature effects on 336. Citrinin, Rhizobium mutants, nodulation, nifrogenase activity, competition 7854.

Rhizobium modulation, growth, nitrogen fixation 698.

Rhizoctonia bataticola root rot, factors affecting, rhizoplane microorganisms, fisher emicroorganisms, fungicides foliar applications effects on 4254.

root rot, Rhizoctonia bataticola, biological control, Streptomyces, Stachybotrys atra 7455.

Acuttinase apudates, disease resistances. Bhizoctonia batational, damping-off, prof. biosynthesis, nutrient requirements, Penicillium citrinum 2064. bodyfintesis, nutrient requirements, Pencillun detection, chromatography, grain 7589. food contamination, flour 276. food contamination, flour 277. cohratoxin A, toxicity, chick embryos 2068. ± ochratoxin A, toxicity, chick embryos 2068. Citrobecter, antibacterial activity, mezlocillin, azlocillin, +cephalosporins 6148. cefodizime antibacterial activity 7142. contamination, Saccharomyces cerevisiae, acetic acid reduction 4773. gallate decarboxylase, gallic acid, pyrogallol production 3731. meclilinam± β-lactam antibiotics artibacterial activity 3314. norfloxacin antibacterial activity 2440. Citrobacter diversities. Beta vulgans crop production 403. Citrobacter diversities, forusing 8292. exiting exudates, disease resistance, Phizoctonia bataticola, damping-off, root rot 7755. symbiosis, Rhizobium, effects on nodules 5966. Ascochyta rabiei blight, reviews 1142.

Cichordium endivia,
beet yellows virus infection, disease transmission, Trialeurodes vaporariorum
9431. electric focusing 8292. β-lactamase, isoele Citrobacter freundli, Citrobacter freundli, antibacterial activity, temocillin 5254. carbapenem, derivatives, in vitro, antibacterial activity 1650. endo-β-D-galactosidase, purification, characterization 6449. histamine biosynthesis, food poisoning 121. indicator species, association, drinking water, waste water, water sources 797. β-lactamase, ceftriaxone inhibition 3397. β-lactamase inactivation, sulbactam 7180. β-lactamase inhibition, odopenicilianate, bromopenicilianate 3404. β-lactamase, purification, kinetics 9140. recovery, media 877. Citrobacter Intermedius, hydrogen biosynthesis, association, growth 124. Citrobacter Koserl, botyping, serotyping, drug resistance 7903. 9431.
Cichorium Intybus,
chicory virus X Infection, isolation, characterization 3038.
infection, chicory blotch virus, cytology, electron microscopy 2165.
root rot, Phymatetrichum omnivorum, Phytophthora cryptogea 5006. Cigarettee,
Cannabis sativa, contamination, fundi, actinomycetes 8172. Cannabis sativa, contamination, fungi, actir Cinchocaline, antibacterial activity 7926. antibacterial activity, Escherichia coli 6051. 1,8-Cincole, 1,5-c-trieble, oronversion, 3-exc-hydroxycineole, 3-endohydroxycineole, Aspergillus niger 3736. Clinnamic acid, decarboxylation, Saccharomyces cerevisiae 1989. esters, inhibition, growth, Pseudomonas fluorescens 1555. decarboxilation, Saccharomyces cerevisiae 1989.
decarboxylation, Saccharomyces cerevisiae 1989.
decarboxylation, Saccharomyces cerevisiae 1989.
decarboxylation, Growth, Pseudomonas fluorescens 1555.
Clnoxacin.
antibacterial activity, Para-negative bacelli bacteriuria isolates, man 7073.
comparison, norfloxacin antibacterial activity, Pseudomonas aeruginosa,
Data processor decarbox decarb biotyping, serotyping, drug resistance 7903. Citronellal, conversion, Candida tenuis 3769. β-Cltronellol, metabolism, Pseudomonas putida, role, plasmid pSRQ50 6642. Citrulius lanatus,
disease resistance, wilt. Fusarium oxysporum f.sp.niveum, inoculum, effects on 5774. 5774. Citrulfus vuigaris, Fusarium wilt, disease control, use, antagonists 1354. Citrus, brown rot, Phytophthora citrophthora, disease control, fungicides, applications, methodology, comparison 8638.
canker, Xanthomonas campestris pv.citri, pathology 5741.
citrus tristeza virus infection, disease control 9378.
disease control, fungi infection, fungicides 4112.
disease transmission, viruses, mycoplasma-like organisms 3970.
extracts fermentation, pyruvic acid biosynthesis, Debaryomyces coudertii 1822.
infection synergism, Geotrichum candidium+ Penicillium digitatum 440.
mal secco disease, Phoma tracheiphilia, fungicides disease control 4101.
Penicillium digitatum wound infection, post-harvest decay resistance 5802.
Pierce's disease, blight, bacteria, disease transmission, Oncometopia nigricans 1204. root rot, Rhizoctonia solani, growth conditions 6915.
vesicular-arbuscular mycorrhizas inoculation, effects on growth 5093.
wastes, use, Sporotrichum pulverulentum, proteins, production 9131. Citrus aurantifolia essential oils, antifungal activity, Fusarium lateritium f.sp.cajani 6062. Citrus dimensis, vesicular-arbuscular mycorrhizas, photoperiod effects on 4209. vesicular-arouscular inycomizas, producero enesis of 4255.
Citrus jambhiri,
seedings, witt, Pierce's disease bacteria 392.
vesicular-arbuscular mycorrhizas, effects on water uptake 4135.
Citrus latifolia,

antifungal activity, wheat post-harvest decay 441.

Itrate (pro-35)-lyase,
active sites, chemical modification, Klebsiella aerogenes 3695.

2-fluoroctric acid, 2-hydroxycitric acid enantiomers inactivation, bactena

97

plant diseases, melanose, greasy spot, epidemiology, Diaporthe citri, Mycosphaerella citri, USA, Florida 9376. Citrus iemon, seedlings, root rot, Phytophthora nicotianae var.parasitica, fungicides disease control 484.

factors affecting, susceptibility, Geotrichum candidum, sour rot 2146. leaves, mesophyll, disease resistance, Xanthomonas campestris 456.

Subject Index Citrus madurenals, scab, isolation, Sphaceloma 1220.
Citrus medica,
Thielaviopsis paradoxa soft rot, factors affecting, enzymes 5738.
Citrus medicago,
plant extracts antifungal activity, storage fungi 7934.
Citrus paradise,
root rot, Phytophthora parasitica, disease control, metalaxyl, aluminum tris
(-0-ethyl phosphonate 5065.
Citrus paridisi,
reasy sond disease control, fundicides, foliar applications 5834. Clavulanic acid, (continued) ticarcillin, antibiotic synergism, antibacterial activity 6147. + amoxicillin, antibacterial activity, Enterobacteriaceae 745. Clay, deritrifying bacteria, saline water effects on 5964, deritrifying bacteria, saline water effects on vegetation 603. Clays, greasy spot, disease control, fungicides, foliar applications 5834. Citrus alnensis, greening disease transmission, Cuscuta role 9448.
leaves, mesophyll, disease resistance, Xanthomonas campestris 456.
× Poncirus trifoliata, roots exudates effects on spore germination, Glomus X Poncirus trifoliata, roots exudates effects on spore germination, Glon epigaeum 1477.
 oft rot, Aspergillus aculeatus, Botryodiplodia theobromae, association pectinolytic enzymes 3965.
 Xylem, blocking, blight 8565.
 Xtrus tristaza virus, infection, Citrus, disease control 9378, infection, Cube standed RNA isolation, plants 2981.
 Cladobotryum dendroides, infection, Agancus, prochloraz, disease control 4118.
 Cladosportum, bloodegradation, phospholipids, trianylabospota, application, phospholipids, trianylabospota, applications, phospholipids, trianylabospota, application, application, phospholipids, trianylabospota, application, application, phospholipids, trianylabospota, application, application biodegradation, phospholipids, triacylglycerols, cholesterol 2881. food contamination, fruit juices, Venezuela 7574. infection, Lycopersicon esculentum, relationship, electrophoresis, acids infection, Lycopersicon esculentum, relationship, electrophoresis, acids solubility proteins 2983.
infection, pathogenicity, Sitobion avenae honeydew+barley yellow dwarf virus infection effects on Hordeum vulgare, Triticum asstrum 3934.
microflora, Hordeum, fungicides treatment effects on 7766.
post-harvest decay, cantaloupes, control, use, benomyl+guazatine 6835.
Cladosporlum caryigenum, scab, Carya illinonensis, effects on nuts drop 6929.
scab, Carya illinonensis, factors affecting spores release 397.
scab, Fusicaldium effusum, inoculation time effects on pathogenesis 5736.
scab, propiconazole disease control, foliar application, Carya illinonensis 9496.
Cladosporlum cladosporloides,
Diosocrea rotundata extracts antifungal activity 3339.
leaf litter biodegradation 3771.
wound healing, Daucus carota, fulcarındiol, 6-methoxymellein, antifungal activity 4078. 4078.

Cladosporium cucumerinum,
antifungal activity, plant extracts, Solanum melongena, Capsicum frutescens,
Lycopersicon esculentum, + Verticillium dahliae infection 6877.
antifungal activity, triademenol diastereoisomers 693.
cross-resistance, dodine, association fenamnol resistance 7022.

Cladosporium fulvum,
extracts, enhancement, necrosis, Lycopersicon esculentum 3100.
infection, hypersensitive response, histopathology, Lycopersicon esculentum 1249.

Cladosporium harbarum. 4078 infection, hypersensitive response, histopathology, Cladosporium herbarum, antifungal activity, flavonoids 2283. Larix defoliation, association Adeiges grazing 540. Lupinus isoflavones antifungal activity 7995. post-harvest decay, prunes 5801. quinazolones antifungal activity 2476. Cladosporium resinae, contamination, petroleum 5140. mycelia, role, corrosion, aluminum 169. Clavarlongia squatica. contamination, petroleum 5140.
mycolia, role, corrosion, aluminum 169.
Clavarlopals aquatica,
biodegradation, Populus tremuloides, leaf litter 8045.
Clavicaps,
alkaloids biosynthesis, catabolism 7459.
alkaloids production, role acid phosphatase, alkaline phosphatase 7492.
alkaloids production, role acid phosphatase, alkaline phosphatase 7492.
alkaloids production, beto fetoction, agar media 5562.
ergot alkaloids biosynthesis, 8-naphthylalanine induction 6590.
ergot alkaloids biosynthesis, 8-naphthylalanine induction 6590.
ergot alkaloids production, biotin effects on 4914.
infection, Panicum repens, Panicum amtidotale, India 6770.
Clavicaps fusiformis,
ergot, Pennisetum typhoideum, incidence, relationship planting time 5712.
scierotia, pure culture, methodoiogy 8152.
Clavicaps purpurea,
strains selection, rementation, alkaloids biosynthesis 6629.
Clavicaps purpurea,
alkaloids biosynthesis, environmental effects 129.
aspartic proteinase, purification, characterization 5496.
biogynthesis, alkaloids 544.
biogynthesis, alkaloids 544.
ergynes deflection, immunofluorescence, association Gramineae infection 5707.
ergot alkaloids, biosynthesis 5557.
ergot alkaloids, production, structure 6594.
ergot, ford poisoning, reviews, man 1074.
ergot, Gramineae, epidemiology 1151.
infected, Sicale, localization, 8-glucanase, 8-glucosidase, pathogenesis 3917.
isolation, Arthraxon lancifolius, association, strains adaption 116,

Lays, coatings, role, survival, soil, Beauveria bassiana 7816.
coxsacleevirus interaction, physicochemical properties 9811.
effects on, bacteria antiagopism, Gaeumannomyces graminis infection, Triticum aestivum roots 3008.
effects on Gaeumannomyces graminis var.tritici growth, interaction, bacteria effects on Gaeumannomyces graminis var.tmici growni, interactioni, bacteria antagonists 4199. poliovirus adsorption 7802. poliovirus adsorption 7802. Soil amendment, effects on Rhizobium, nodulation, yield, Glycine max 9582. Cleaning systems, contact lenses, chlorhexidine gluconate levels, colonmetry 4324. enzyme-linked immunosorbent assay viruses 1764. heat exchange, cleaning systems, food industry, bacteria, contamination 4784. milking machines, water dismfection, bacteria contamination 5342. sanitation, beef carcasses 808. sanitation, betcarcasses 808. sanitation, detergents, milking machines 2632. sterilization, breweries 5336. Clear cutrung,
Fagus sylvatica forests, Picea abies replacement, bacteria soil microorganisms
population changes 7778.
forests, dentirification 6902.
Clemastine hydrogen fumarate,
antibacterial activity 875.3. Clethrionomys, fecal microflora, role, litter decomposition, forests 1449. Clianthus punicous, bacteroids viability, Rhizobium 7860. Climate, association, leaf litter decomposition, bacteria, carbon, nitrogen production, Fagus sylvatica, coniferales 2021. Climatic change, carbon dioxide, pollution effects, nutrient cycles, soil microorganisms 9563. Climatic conditiona, Aschochyta avenae, leafspot, Avena sativa, Triticum aestivum, Hordeum vulgare predictions, Pythium ultimum, blight, Agrostis palustris 9362.

Clindamycin,
antibacterial activity, Bacteroides fragilis 8811.
antibacterial activity, Campylobacter fetus subsp.jejuni, Campylobacter fetus subsp.inestinais 8863.
antibacterial activity, Chiamydia trachomatis 6162.
antibacterial activity, Chiamydia trachomatis 6162.
antibacterial activity, Ciphteroids 7977.
antibiotic resistance Bacteroides fragilis, antibiotic sensitivity testing 9735.
antibiotic resistance, Bacteroides fragilis, detection 9655.
antibiotic resistance, Bacteroides fragilis, discodiffusion test 7031.
antibiotic resistance, Bacteroides fragilis, discodiffusion test 7031.
antibiotic resistance, plasmid pBF4 transfer, Bacteroides fragilis 5149.
antibiotic resistance, Streptococcus, mastitis isolates, acne 8736.
antibiotic resistance, transfer, Clostricium difficile 6011.
antibiotic sensitivity testing, Bacteroides fragilis 5262.
antibiotic sensitivity testing, Campylobacter fetus subsp.jejuni, clinical isolates 6099. predictions, Pythium ultimum, blight, Agrostis palustris 9362. amicrotic sensitivity testing, Campylobacter refus subsp.jeuni, clinical isolates 6099.
antibiotic sensitivity testing, Propionibacterium acnes, clinical isolates 3381.
Bacteroides fragilis antibiotic sensitivity testing 7130.
Borderella pertussis, dury sensitivity testing 7130.
Compyloacore fruits subsp.jeuni drug sensitivity testing 4292.
effects on, Bacteroides, growth 6100.
effects on cytotoxins production, Clostridium difficile 2091
inhibition, Pactaramase, Enterobacter, Pseudomonas aeruginosa 7155.
resistance, Bacteroides, nucleotide sequence homology 6013.
Clinical microbiology, antibiotic sensitivity testing, clinical isolates 712.
antibiotic sensitivity testing, clinical isolates 712.
antibiotic sensitivity testing, sureyes 4326.
bacteria clinical isolates identification, counter immunoelectrophoresis, fluorescent antibody test 834. bacteria clinical isolates identification, counter immunoelectrophoresis, fluorescent antibody test 834.

Gardnerella vaginalis, media (isolation) 9030. laboratories, quality control, Political Po Citidine, toxins, structure, Citocybe acromelaiga 4907.
Citocybe acromelaiga, clitidine toxins, structure 4907. isolation, Arthraxon lancifolius, association, strains adaption 116. morphology, association, ergot alkaloids biosynthesis 3867. mycotoxins, food contamination, incidence, British Isles 3878. sclerotia, infection, Secale cereale seeds, competition, photosynthesis carbon clitidine toxins, structure 4907.

Cittocybe Illudens,
4a-hydroxydihydroilludin, structure 3729.

Cittocybe pseudoirina,
mushroom poisoning, case reports, man 5604.

Cittocybe tabescens,
roof rot, fumigants disease control, Malus pumila 492.

Citvia minista.

alkaloidis, antiviral activity 6069. avularinci acrd,
+ amoxicillin antibiotic synergism, antibacterial activity, Mycobacterium
tuberculosis 8845
+ amoxicillin, high-performance liquid chromatography 5252.
+ amoxycillin, high-performance liquid chromatography 5252.
+ amoxycillin, b-lactamase activity, bacteria 3411.
+ amoxycillin, Enterobacter cloacae resistance 4275.
+ amoxycillin, Enterobacter cloacae resistance 4276.
analogs, synthesis β-lactamase inhibition, Escherichia coli, Enterobacter
cloacae 5214. Clofoctol, effects on, Bacillus subtilis, membrane permeability 6053.

antibiotic resistance, nutrition, genes, Streptomyces vinaceus, Streptomyces coelicolor 1523.

Bacteroides fragilis subsp.thetaiotaomicron, DNA fragments, plasmids.

dentification association 4487.

Streptomyces azureus, Streptomyces erythraeus, Streptomyces vinaceus, Streptomyces fradiae, antibiotic resistance, genes 1521.

sources 374. Clavulanic acid,

binding penicillin-binding protein, effects on antibacterial activity 7134.

+cephalothin, +amoxicillin, antibiotic sensitivity testing, Mycobacterium forturtum 7141.

suicide inhibitors, β-lactamase, gram-negative bacteria 2810.

ning, (continued) reptomyces, genes, andicidin, biosynthesis 8032, reptomyces kasugaensis DNA, methodology 6313, Imipramine, Clostridium difficile, (continued)
Clostridium botulinum, toxins, identification, lethality, mice 2080.
colitis, diagnosis methodology, feces Gram stam 9940.
colitis, immunodiagnosis, counter immunoelectrophoresis, cytotoxins, feces, man tibacterial activity 8753. sterovirus, af-roll, Vitis vinifera 3073. stridium, sterotrus,
alrroll, Vits vinifera 3073.
stridium,
httbacterial activity, celotetan 4345.
htbbiotic sensitivity testing, teichomycin, vancomycin 6202.
tthreonam antibacterial activity 777.
dottenoration, milk, milk products 6666.
stillulose fermentation, mixed culture 4747.
inical isolates, incubation, anaerobic environments 2680.
inical isolates, incubation, elibiciose metabolism 2890.
inical isolates environmentation, elibiciose effects on 4850.
inicial inici counter immunoelectrophoresis detection toxins, feces 4912. cytotoxins production, clindamycin effects on 2091. gastrointestinal tract clinical isolates, norfloxacin antibacterial activity 2455
identification, gas-liquid chromatography 840, identification, media (culture), norieucine + tyrosine 9907, lysozymes, txodidae, eggs, antibacterial activity 1552, media (selective) 6319, toxin A, enzyme-linked immunosorbent assay 9303.

Clostridium histolyticum, clostripain, amino acid sequence 4636, collagenae, purification, substrate specificity, collagen proteolysis 6412.

Clostridium kiuyveri, acetyl-CoA acetyliransferase, purification, characterization, selenomethione identification 88. inentification 89.

dihydrolipoamide reductase (NAD+), bioassays, bile acids 4504.

Clostridium peraputriflcum,
18-deoxyaldosterone reduction 4695.

Clostridium peraputriflcum,
antibacterial activity, kirrothricin 1665.
gluconate dehydratase, purification, characterization 6431.
hydrogen biosynthesis, association, growth 124.
hydrogense activity, p41, redox potential effects on 5492.
ntrogen fixation inhibition, nitrite association 5124.
ntrogen fixation inhibition, nitrite association 5124.
ntrogense cofactors, ricon, molydednum, sulfur, levels 4593.
6-phosphoffuctokinase, characterization 6442.
protoplasis, regeneration, methodology 9029.

Clostridium perfringens,
antibacterial activity, teichomycin 7183.
antibacterial activity, teichomycin 7183.
antibacterial activity, eachydrogenses.
antibacterial activity, eachydrogenses.
- lactam antibiotics, association, penicillin-binding protein 9651.
antibiotics resistance, 9.-lactam antibiotics, association, penicillin-binding protein 9651. antibiotic resistance, β-lactam antibiotics, association, penicillin-binding protein 9651.

antibiotic sensitivity testing, 4336.
antibiotic sensitivity testing, antibiotic resistance, meat isolates 5235.
antibiotic sensitivity testing, ephoposonias 7136.
antibiotic sensitivity testing, cephoposonias 7136.
antibiotic sensitivity testing, teichomycin, vancomycin 6202.
biodetenoration, milk, milk products 6666.
endotoxins, detection, enzyme-linked immunosorbent assay 5655.
enteriotoxins, assays 6711.
enteriotoxins, detection methodology 2964.
enteriotoxins, M-terminal, amino acid sequence 5660.
enumeration, media (culture) 5420.
feces, man, water resources, quantification 5322.
food contamination, chickens eggs 187.
food contamination, chickens eggs 187.
food contamination, pork, cooking, kritchens 1066.
food poisoning, association, temperature, epidemiology, British Isles 3828.
phosphatidy/serine synthasectenical activity 759.
growth methodology, beatenocins analysis 2705.
mutants, metromodazole drug resistance 3294.
phosphatidy/serine synthasectenical activity 4426.
Clostridium paronaum, autopisins, purification, characterization 1897.
clostridium asecharolyficium, emition, production, ethanol, production 5574.
Clostridium parodements, growth conditions, emidia (culture) 575.
clostridium asecharolyficium, emition, production, ethanol, produ antibiotic sensitivity testing 4336. roduction, acetone, butanol, continuous culture 1037.
roduction, butanol, acetone, continuous culture, batch culture, nitrogen limitations 8393.

setone, butanol, biosynthesis, fermenters 119.

stridium aurantibutyricum, oduction, acetone, isopropanol, butanol 2845.
stridium bejerinckii, stridium beits, fermentation, isopropanol, butanol+ethanol 9241.

imobilized cells, fermentation, 2-propanol, butanol, ethanol 4737.
oduction, acetone, isopropanol, butanol, ethanol 4737.
oduction, acetone, isopropanol, butanol 2845.
stridium befrementens, attridium befrementens, acterioceins activity 4410.
ucose, concentrations effects on fermentation products 4551.
ovaleric acid biosynthesis, enzymes isolation, characterization 9174.
stridium botulinum, tigen S, purification, characterization 2742.
ribon dioxide effects on toxins biosynthesis 5658.
seese products, toxins production 2943.
sets production, relationship toxins production 2960.
owth, potassium sorbate inhibition, organolepitic properties, sausages 303.
owth, potassium sorbate, pH effects on 8497.
owth, potassium sorbate inhibition, organolepit properties, sausages 303.
owth, toxins production, cheese, growth, Clostridium botulinum, toxins production, cheese 2074.
surotoxins, hemaglutimins, purification, physicochemical properties 7635.
urerotoxins, themaglutimins, production 2089.
over, control, cured products, reviews 4821.
rate, ontrol, one of production, cheese 2074.
reviews 4821.
rate, ontrol, one of production, one of production, one of production, one of production, one of productio biodeterioration, milk, milk products 6666. glucose concentrations effects on fermentation products 4551. Cloastridium tetani, tetanus toxins, blood donors, antibodies, screening, latex aggiutination 3621. toxins, amino acid composition, comparison light chains, heavy chains 4906. toxins, crystals, characterization 3890. toxins, structure, reviews 2078. Cloastridium thermoacettecum, carbon monoxide dehydrogenase, purification, characterization 2769. carbonated beverages contamination 8457. comparison, Acetobacter woodii, carbon monoxide dehydrogenase, purification, characterization 8262. formate dehydrogenase (NADP+), molydenum, tungsten containing multiple forms, purification, activity, C.D., E.S.R., absorption spectroscopy 8280. Cloastridium thermocellum, cellulose, cellulose, glucose inhibition 1886. cellulose conversion, ethanol production association 9249. cellulose hydrolysis 7545. + Cloastridium thermosacchardyticum mixed culture, cellulase fermentation, enhancement 9235. comparison, mesophilic bacteria, sugar production, cellulose biodegradation 9251. immobilization, use, coal 5424. Cloastridium thermosacchardyticum, polyamines biosynthesis 9205. Cloastridium thermosacchardyticum, -Cloastridium thermosacchum mixed culture, cellulase fermentation enhancement 9235. Cloastridium thermosacchum mixed culture, cellulase fermentation enhancement 9235. Cloastridium thermosauffurogenes, polyamines pectinesterase, characterization 4660. Clostripain.

infection, Prunus cerasus, water effects on pathogenesis 1203 Cochilobolus carbonum, Intection, Franus cerasus, wauer effects on parinogenesis 1233.

Cochilobolus carbonum, infection, Zea mays, disease resistance inheritance 455. infection, Zea mays, disease resistance inheritance 455. infection, Zea mays, fistence 375. incoulation, Zea mays, Francania 1673. infection 2000 production 288.

Leaf blight, Zea mays, Tanzania 7673. phytotoxins biosynthesis, tox1 locus, gene regulation 2953. races, T toxin production 288.

T toxin biosynthesis 2072.

Cochilobolus astivus, condidation, production 280. infection, Avena, Gaeumannomyces graminis suppression, soil, effects on 3207. infection, Gramineae, Gaeumannomyces graminis suppression, soil, effects on 3207. infection, Irritcum astivum, fallow land effects on not or to 379. Leptomyxida lysis, phagocytosis, soil 563. rediction, Irritcum astivum, fallow land effects on not not 7674. sind celd (selective), isolation, soil 4526. root rot, Hordeum vulgare, planling density effects on 7674. sind, effects on, Agropyon intermedium, nutribonal status 8548. vertical distribution, soil, tillage, crop residues burning, Tritcum aestivum 3538. amino acid sequence, Clostridium histolyticum 4636 Clotrimazole, antibiotic sensitivity testing, yeasts 2502, antifungal activity, Candida albicans 7937, antifungal activity, Curvularia lunata var.aeria 7939, antifungal activity, dermatophyte fungi, yeasts 7938, Saccharomyces cerevisiae, effects on sterols biosynthesis 5203. Clover yellow veln virus, ± Codinaea fertilis infection, Gladichus 9375. infection, Gladiolus 3075.
infection, Trifolium repens, pathology, association, Aphididae filters prevention transmission 1147.
plant virtuses, Leguminosae, USA, Tennessee, identification 5689. plant Vituses, Leguninusae, Ost, Tennissee, Accininus of Section (Cloxacillin, + ampicillin, + cephalosporins, antibacterial activity, gram-negative bacteria, β-lactamase 1610. antibacterial activity, Streptococcus group B 3409. antibiotic tolerance, Staphylococcus aureus 5250. disc-diffusion test, Staphylococcus aureus, methicillin sensitivity 639. Clubroot Clubroot, Authorication, lasmodiophora brassicae races defection, USA 3977.
Cruciferae, role, 3-indolylmethylglucosinolate conversion 5761.
fungi, Brassica oleracea, disease control, transplantation 4073.
Plasmidiophora brassicae, Raphanus sativus, pathogenicity, association, soil moisture, soil temperature 6815.
Plasmodiophora brassicae, Brassica 2212.
Plasmodiophora brassicae, Brassica oleracea, Brassica rapa, disease resistance Cochilobolus victoriae, conida germination, competition, environmental stress, nutrient availability, soil 9573. conidia, germination, nutrient availability, fungistasis, soil 9572. Cocca, food contamination, media (isolation). Enterobacteriaceae 1791 breeding 9477 Plasmodiophora brassicae, calcium carbonate, effects on, pathogenesis, CruciferaeCocoa swollen shoot virus,

4255.

Infection, Theobroma cacao, pathogenesis 3026. 4255.
Plasmodiophora brassicae, crop fields, calcium sulfate, sodium carbonate, calcium functionate, calcium functionate, calcium carbonate, effects on 314.
Plasmodiophora brassicae, disease control, foliar applications, herbicides, Brassica oleracea 8632.
Plasmodiophora brassicae, pathogenicity, Cruciferae 2211.
Plasmodiophora brassicae, role zoospores, Brassica campestris 4998.
Plasmodiophora brassicae, role zoospores, Brassica campestris 4998.

Intercont, Plasmodiophora prassicae, four 2005,016,018
Clumping,
Staphylococcus aureus identification 6324.
Coegulase,
association, polymyxin, susceptibility, Staphylococcus, strains 8866.
biosynthesis, Staphylococcus aureus defective mutant, isolation methodology 9040.
indicators, food contamination, Staphylococcus 3810.
negative Staphylococcus, antibiotic sensitivity testing 7122.
Coegulation. 1391 1391.

mycoplasma-like organisms infection, etiology, Tanzania 3972.
mycoplasma-like organisms infection, pathogenesis, tissues distribution 8566.
mycoplasma-like organisms, with, pathogenesis 8567.
mycoplasma-like organisms yellows, pholem sap, collection, characterization 388,
mycoplasma-like organisms yellows, phloem sap, collection, characterization 388,
mycoplasma-like organisms yellows, phloem sap, composition 387.
Spiroplasma pathogenesis 1227.
Spiroplasma pathogenicity, association yellows 3968.
witt 7881. inhibition, radioimmunoassay, detection, hepatitis B surface antigen 828. monocytes, endotoxins, assays 3893. Coagulation factor VIII, witt roof.
yellows, mycoplasma-like organisms, new records, Mexico 7678.
yellows, Mycoplasma-like organisms, oxyletracycline, disease control 1206.
yellows, mycoplasma-like organisms, sap, chemical composition 1226.
yellows, sop, isolation, Mycoplasma-like organisms 1205.
Codinaea fertilite, purification, use hepatitis B virus antigens, column chromatography 3542. Gell, adsorption, Thiobacillus ferrooxidans 8712. gases, wastewater treatment, filters, anaerobic microorganisms 8952. industrial sites, i clover yellow vein virus infection, inhibition growth, Trifolium repens 2100. mycorrhizas, roots colonization, seasonal variations, Trifolium repens 554. Coenzyme A,
biosynthesis, Brevibacterium ammoniagenes immobilized cells, continuous culture
1944. mines, reclaimed land, iron-oxidizing bacteria, vertical distribution levels 9561. 1944.

1944. Streptomyces levoris, yeasts stimulants effects on 8021.

Coenzyme F420. assays, methanogenic bacteria, high-performance liquid chromatography-fluorescence, sewage sludge 9021.

Coenzyme F430. containing profication, characterization, Methanosarcina barkeri, Methanobacterium thermoautotrophicum 2737. mines, soil microorganisms, community composition, organic matter decomposition 5914. mines, wood supports, brown rot, white rot 6934.
seams, methane extraction, use, culture, growth, methylotrophic bacteria 7870.
sulfur removal, Suffolobus acidocaldarius, termenters 3254.
use, Clostridium thermocellium immobilization 5424. Coenzymes, pyridines, biosynthesis, Aspergillus 3689. Cottea, waste water, bacteria, drainage systems, sodium lauryl sulfate, sodium benzoate, waste water, bacteria, drainage systems, sodium lauryl sulfate, sodium beni inhibition 8713.

Coastal environments, sand, anyleuphohydrolase, cysteine desulphohydrase, thiosulphate cyanide sulphurtransferase, activity, correlation, vegetation, British Isles 6955.

Coastal waters, microbial poliution, mathematical models 9813. sediments, microbial poliution, indicator species 8065.

Vibrio ecological distribution, salinity, temperature, nutrient concentrations 6259. unea, agricultural ecosystems, nutrient sources, nitrogen fixation, Inga jinicuii 3226. anthracnose, eye spot, Cuba 2189. Cuba, Colletotrichum gloeosporioides anthracnose, Cercospora coffeicola eye spo Hemileia vastatrix leaf rust, pathogenicity 6784. Hemileia vastatrix rust, Mexico 5682. plantations, nitrogen cycle 3217. plantations, nitrogen cycle, leaf litter decomposition 3218. seedlings, dieback, Phoma costamicensis 7682.

Coccomyces hiemalls,

6259

Coat protein,

Cest protein; fractionation, characterization, spores, Dictyostellium discoideum 1831. fobscoo mosaic virus, association, disease resistance, Nicotiana tabacum, role, N gene 6846. Cested vesicies, isolation, immunoadsorption, use, Staphylococcus aureus 884.

Coatings,

carrings, role, survival, soil, Beauveria bassiana 7816. microorganisms, methodology, scanning electron microscopy 1735. pharmaceuticals, use, polymers solutions, microorganisms growth association waxes, plastics, plant protection, fungi infection, Sorghum bicolor, Zea mays. Triticum aestivum 4071

seeds, Helianthus annuus, autohydrolysis-explosion pretreatment, effects on Trichoderma reesei cellulase hydrolysis 9136.

orbati, antimicrobial activity, Entamoeba histolytica, Staphylococcus aureus 2497.
effects on enolase substrates binding, N.M.R., yeasts 6544.
regulation, biosynthesis, gentamicin, sagamicin, Micromonospora sagamiensis,
mutants 6195.

miuartis o 192 stimulation, nitrogen fixation, nitrogen-fixing bacteria, soil isolates 3236. toxicity, nickel resistance, Neurospora crassa 7906. Cobweb disease, Hypomyces rosellus, prochloraz, disease control. Basidiomycetes 6824. Coccidiodes.

self fluorescence, use, detection, tissues 8156.

Coccidioides Immitis, coccidioidomycosis, fluorescence diagnosis, tissues 4525, identification, immunodiffusion 4543.

Coccidioldomycosis, fluorescence diagnosis, tissues 4525

seedlings, dieback, Phoma costamicensis 7682.

Coffee arables,
Colletotrichum coffeanum disease resistance, inheritance 6864.
Colletotrichum coffeanum infection, pathogenesis, association Glomerella cinquiata 9379.
infection, Hemileia vastatrix, plant diseases pathogenicity measuring techniques, mathematical models 1116.
leaf rust, disease control, Hemileia vastatrix 4076.
leaf rust, Hemileia vastatrix, coffee berry disease Colletotrichum coffeanum, disease control, fungicides 1341.
leaf rust, Hemileia vastatrix, epidemiology, Latin America 1216.
leaves age effects on disease resistance, leaf rust, Hemileia vastatrix 4976.
rust, Hemileia vastatrix, epidemiology 5015.
rust, mathematical models, incidence Hemileia' vastatrix infection 2150.
seedlings, disease resistance mechanisms, Colletotrichum coffeanum 479.
Coffee canaphora,

Coffee canephora,

disease resistance, leaf rust, Hemileia vastatrix, light intensity effects on 3962

af rust, Hemileia vastatrix, disease resistance, detection, methodology 2261.

lear russ, Partition value of the Confess, former treatment, digestion (anaerobic), composting 4432.

Coffee berry disease, Colletorichum coffeanum, disease control, fungicides, Coffee arabica 1341.

Cogmycin. Colletofrenum conteanum, association, lagosin, physicochemical properties, Cogomycin, Streptomyces, comparison, fungichromin, lagosin, physicochemical properties, biological properties 2591.

Colx lachryma-jobl,
Ustilago coicis smut incidence, Thailand 5770.

hicine, Juction, Aureobasidium pullulans pullulan biosynthesis 8336. Inerdiness, Iticum aestivum, barley yellow dwarf virus infection effects on 9343 Collagen, Collagen, hydrolysis, factor affecting, actinomycetes soil isolates 7562. proteolysis, Clostridium histolyhcum collagenase 6412. Collagenase, Clostridium histolyhcum, purification, substrate specificity, collagen hardinesa, ticum assitvum, barley yellow dwarf virus infection effects on 9343. pstorage, pibes, effects on scab pathogenesis 3105 cteria growth, packaging, liver, tongue, beef 267. eff, hot-boning, bacteria contamination 244, asst milk, bacteria contamination 214, do contamination, microorganisms 242 do contamination, microorganisms 242 do, preservation, association ladic acid bacteria 260. lk, bacteria contamination, growth 4827. lk, dissolved oxygen, growth, psychrotrophic bacteria 239 ckaging, poutptry, spoilage 4881. vitry, lactic acid bacteria spoilage, cold storage, packaged food, carbon dioxide, oxygen 6886 invival, phages, lactic acid bacteria 8103. mperature, effects on growth, coliforms, yeasts, butter 8465. Interaorganisms, bacteria 9552. oxygen, province, program, program Phytophthora cactorum, fumigants disease control, Malus pumila 492.
Phytophthora cactorum, Malus pumila, metalaxyl effects on pathology 505. Collembola, grazing effects on, nitrogen, cations leaching, fungi mycelia, leaf litter decomposition 3212.

Colletotrichum, infection, blueherries, post-harvest decay, disease control, carbon dioxide storage 3106.

Invasion, Trifolium repens 5692 pathogenicity, fruit rot, tycopersion esculentum 1301.

Colletotrichum acutatum, plant diseases, Tsuga heterophylia seedlings, new records, Canada 7783.

Colletotrichum atramentarium, pecthase, fruit rot, tycopersion esculentum 5797.

Colletotrichum atramentarium, pecthase, fruit rot, tycopersion esculentum 5797.

Colletotrichum capsici, infection, Vigna radiata, biodeterioration, seed-borne diseases 3915. seeds, fungicides effects on, Capsicum annuum 5832.

Colletotrichum cipcinans, infection, Allium cepa, fluorescence association, factors affecting 8584.

Colletotrichum cococdes, plant diseases, roots, crops, greenhouses, USA, North Carolina 9411. ordeum vulgare, penetration, powdery mildew, Erysiphe graminis f.sp.hordei 3947. ordeum vulgare, Rhizoctonia solani, penetration 2132. indeutri vuigiare, initrocronia solani, penerration 2132.

slatw,
tors affecting. Saccharomyces dairensis, Saccharomyces exiguus, food spoilage
8479.
cln M, plant diseases, roots, crops. greenhouses, USA, North Carolina 9411.
root rot, fungicides disease control, Lycopersicon esculentum, Solanum melongena
6872. cin M,
ects on murein biosynthesis, Eschenchia coli 2465.
cin V,
obuction, Escherichia coli, animal isolates 3431.
cins,
cherichia coli, outer membranes, proteolytic enzymes, activity 1914.
cherichia coli, production, proteolytic enzymes biodegradation association
4397.
oduction, Shigella sonnei, antibacterial activity, Escherichia coli 669.
forms,
messis wastewater treatment indicator species 9796. plant diseases, roots, crops. greenhouses, USA, North Carolina 9411.
root rot, fungicides disease control, Lycopersicon esculentum, Solanum melonger 6872.

Colletotrichum coffeanum, antifungai activity, N-benzyldithiocarbamic acid derivatives 9678. coffee berry disease, disease control, fungicides, Coffea arabica 1341. disease resistance, inheritance, Coffea arabica 6864. disease resistance mechanisms, seedilings, Coffea arabica 479. infection, Coffea arabica, pathogenesis, association Giomerella cingulata 9379.

Colletotrichum dematium, leat blight, Abelmoschus esculentus, pathogenesis 9412.

Colletotrichum dematium, var.truncata, benomyl, antifungal activity 2285.

Colletotrichum faicatum, conidia survival, soil 4198. spore germination, iprodione, thiophanate methyl, effects on 7765.

Colletotrichum fragariee, anthracnose, disease resistance, screening, Fragaria 1258. infection, Fragaria vesca, histopathology 422.

Colletotrichum giocosporioides, anthracnose, Coffea, Cuba 3910. anthracnose, Coffea, Suba 391425.

Mangifera indica, drug resistance, fungicides 1532. pectinolytic enzymes 5528. post-harvest decay, 1-cetoxy-2-hydroxy-4-oxo-heneicosa-12,15-diene, antifungal activity, Persea americana 2471. rot, Crassulaceae leaves, detection methodology 3447. weed control, Hakea sericea, field trials 9408.

Colletotrichum glocosporioides 1sp. seachynomene, biological control, Aeschynomene vignicia activity, Persea americana 2471. rot, Crassulaceae leaves, detection methodology 3447. weed control, Hakea sericeae, field trials 9408.

Colletotrichum glocosporioidea 1sp. seachynomene, biological control, Aeschynomene vignicia activity, Persea americana 2471. rot, Crassulaceae leaves, detection methodology 947. weed control, Hakea sericeae, field trials 9408.

Colletotrichum glocosporioidea rese, water, soil 1189. weed control, Oryza sativa 6630. survival, Oryza sativa irrigated areas, water, so rosols, wastewater freatment, indicator species 9796.
alysis, water springs 9815.
imal isolates, antibiotic resistance, salinomycin feeding, chickens effects on 3289. anysis, water springs 9815.

imal isolates, antibiotic resistance, salinomycin feeding, chickens effects on 3289.

tibiotic resistance, detection, sea water 7902.

tibiotic resistance, sewage treatment, urbanization, effects on 7879.

eese, organoleptic evaluation 7584.

ntamination, drinking water, livestock 8975.

ntamination, mineral water bacteria 2027.

ntamination, invers, Yugoslavia 2620.

ntamination, rivers, Yugoslavia 2620.

ntamination, water supplies, waterborne diseases epidemiology, man 2630.

ntamination, water supplies, waterborne diseases epidemiology, man 2630.

ntamination, water supplies, waterborne diseases epidemiology 8967.

m+animal wastes silage, fermentation, biochemical characteristics 4868.

infectants, antibacterial activity, orthophenylphenol, paraformaldehyde, calcium oxide 8982.

nking water, media (isolation) 3569.

nking water, media (isolation) 3569.

nking water, membrane filtration, enumeration efficiency 3587.

umeration, sea water, media compansion 9987.

ses, indicator species enumeration, water sampling, light effects on 2625.

ses, indicator species, organization, organization, organization, diving vater, ordal organization, organ latent infection, Carica papaya, pathology 6788.

Colletotrichum glycine,
benomyl, antifungal activity 2285.

Colletotrichum graminicola,
anthracnose, Avena sativa 7670.
anthracnose, Zea mays, Orthoptera role 369.
infection, Sorghum vulgare, association, pollen 3940.
infection, Zea mays, disease resistance, comparison, Bipolaris maydis infection 4069. spores, application, Zea mays, leaves, methodology, humidity 9081. survival, Zea mays, crop residues 3946.
Colletotrichum lagenarium,
disease resistance induction, Cucumis sativus, Fusarium oxysporum
f.sp.cucumerinum witl 465. hyphal tips, tricyclazole effects on, pigmentation, plants penetration 325.
induction, disease resistance, Pseudomonas lachymans, Cucumis sativus 3124.
infection, Cucumis melo, effects on liginin biosynthesis 3097.
infection, Cucumis melo, ethylene effects on glycoproteins accumulation, cell
walls 3991. species, registerates, including street, and species are specied as a species and species and species are species and species are species as a species and species and species are species as a species and species and species are species as a species and species and species are species and species and species are species and species and species are species and species and species and species and species are species and species and species and species are species and species are species and species and species are species and species are species and species are species and species and species are species and species are species and species are species and species and species are species are species are species are species and species are species are species are species are species and species are species are species are species are species and species are speci walls 3981.
Infection, Cucumis sativus, disease resistance induction 444.
Colletotrichum IIndemuthianum,
anthracnose, disease resistance, phytoalexins, Phaseolus vulgaris 1360.
anthracnose epidemiology, Phaseolus vulgaris, Canada 4933.
anthracnose, Phaseolus vulgaris desase resistance 5815.
chiin deacetylase, purification, characterization 6461.
disease resistance, genetic variance, Phaseolus vulgaris 6863.
infection, hypersensitive response, leaves proteins 1333.
peptide mapping 925.
Zea mays, pollen, enhancement, infection, Vigna unguiculata 327. disease resistance, Phaseolus vulgans 4068. Colletotrichum malvarum, weed control, Sida spinosa 1285. Colletotrichum musee, tin itivity, bacteria, urinary tract isolates 8813. tins, ctionation, chromatography 4417. stridium difficile, diagnosis methodology, feces Gram stain 9940. nunodiagnosis, Clostridium difficile cytotoxins, feces, counter munoelectrophoresis, man 9306. benomyl, antifungal activity 2285. infection, Musa sapientum, appressoria, development 5733. Colletotrichum trifolli, anthracnose, disease resistance, Medicago sativa 5046. donus montanus, ease transmission, X disease, Mollicutes, Prunus 4973.

communication (communication). Filtrachium phaseoli strains, nodulation, Leguminosae 4245. Filtrachium Infolii, nodulation, Trifolium subterraneum 5116. saprophytes, soil pH, soil temperature, fungicides, herbicides, soil moisture, Fusanum udum 5694. Colletotrichum trifolii, (continued) Colletotrichum trifolii, (continued)
host range, Leguminosaae 1139.
infection, screening disease resistance, races, Medicago sativa 477.
polysaccharides, in vitro biosynthesis, phytotoxicity 353.
Colletotrichum truncatum,
anthracnose, effects on, yield, Glycine max 1137
herbicides stimulation fruits, Glycine max 5821. tobacco mosaic virus strains, infection, Nicotiana sylvestris 9449. Competitiveness,
Rhizobium leguminosarum, nodulation, Lens esculenta 3235.
Rhizobium trifolii, Trifolium repens soil microorganisms, factors affecting 611.
Complement fixation,
characterzation, influenza virus, antibodies, methodology 9863.
diagnosis, bruceliosis, catite 4485.
immunoglobulin G, detection, cytomegalovirus 5375.
Complementation,
genetic analysis, gene mapping, melanins deficient mutant, association Gossypium
wilt, Verticilium dahliae 6796.
Composities Competitiveness, nemicios surmatudin fruis, circule mas 362.1.
Collybia butyraces,
biodegradation, forest floor litter, Abies alba 1442.
Collybia distorta,
biodegradation, forest floor litter, Abies alba 1442. Collybia maculata, biodegradation, forest floor litter, Abies and 1442. Collybia vertipes, protoplast formation, methodology 8166. Colombia, Colombia,
Triticum aestivum, incidence, Pyrenophora tritici-repentis spot 9356.
Colonial characteriatica,
association artibiotic resistance, Serratia marcescens 4283.
Bordstella pertussis, antibiotics effects on 1596.
Proteus 657.
Rhizobium isolates, Cajanus cajan, Cicer arietinum 7821. Compositae, seeds, fungal flora 7726. omposting,
aeration, sewage sludge 8937.
equipment, laboratories, activity 8951.
industrial wastes, land disposal, reviews 6242.
mechanisms, microorganisms role, reviews 6242.
polycyclic aromatic hydrocarbons, biodegradation 2875.
sewage sludge, pathogens reduction 8938.
sewage sludge, pathogens reduction 8938.
sewage sludge, thermophilic microorganisms 6253.
solid wastes, urban environments, biological activity effects on microflora evolution 8942.
straw, tribicum, Vicia fatha, mascabilic finau colonization 3781. Composting, Colonies, counting methods, use, hydrophobic grid+membrane filtration 8138. diameter, growth, Mycoplasma, statistical analysis 8109. microorganisms, enumeration methodology, association, food contamination control 3585 evolution esta. Vicia faba, mesophilic fungi colonization 3781, straw, tricium, Vicia faba, thermophilic fungi colonization 3780, waste treatment, association, physicochemical properties, reviews 7191, waste treatment, coffee fermentation 4432, wastes, C/N rabos association 4448. leaf litter, fungi 3771.
mesophilic fungi, straw, triticum, Vicia faba, composting 3781.
soil microorganisms, Cochliobolus sativus, conidia, hyphae, fluorescence microscopy 3625.
Staphylococcus, catheters, growth 2638.
thermophilic fungl, straw, Trificum, Vicia faba, composting 3780.
vesicular-arbuscular mycorrhizas, symbiosis, Gramineae, Pisum sativum 5902. Composts,
Agaricus bisporus cultivation, reviews 9281.
Agaricus bisporus cultivation, reviews 9281.
Arachis hypogaea shells, effects on soil microorganisms, organic compounds, soil (sandy) 5133.
bark, inhibition soil-borne diseases, plants 3122.
cattle manure, enzymatic activity, microflora, association 8061.
Egypt, waste disposal 2604.
ennichment, Azotobacder chroococcum + Aspergillus awamorii 7799.
indicator species, bacteria, factors affecting survival 6252.
levels, gram-negative bacteria, Aspergillus timigatus, endotoxins 5292.
production, Saccharum bagasse, microorganisms decomposition activity 7560.
sewage studge, thermophilic bacteria, distribution, actinomycetes 5312.
straw, microorganisms biomass, association, Agaricus bisporus nutrition 2923.
Compound Al-778,
Bacillus pumillus, analogs, structure 6627. Composts, Colony-forming cells, bacteria, growth, multiplication, soil, mathematical models 2345. Color, removal, industrial effluents, pulp mills, paper mills, use, Coriolus versicolor seeds, relationship, lesions, Septoria glycines brown spot, Glycine max 5684. tissues, calcium chloride preservatives, association, viruses infection, plants 2093

Coloration, melanoidin, removal, use, Coriolus enzymes 150. wine, yeasts new records, chemical properties, mutations effects on 7511.
Colorimetry, bioassays, quantitation, respiratory syncytial virus, defective-interfering particles 7230. chlorhexidine gluconate levels, contact lenses cleaning systems 4324.
Gloeophyllum trabeum, cell walls, chitin, methodology 8157. peptidase, Candida albicans 6542.
Colostrum, cattle, Streptococcus lactis fermentation effects on proteins 246. +milk, lactic acid bacteria, fermentation, food sources, juvenies, cattle 7599.
Columba. 2093 Compound AF778,
Bacillus pumilus, analogs, structure 6627.
Compound M-9337,
Streptomyces antihaemolyticus, biosynthesis, isolation, physicochemical properties, biological properties 8365.
Compound U-57930E,
antibacterial activity, anaerobic bacteria 4379.
Compound 48/80,
antimicrobial activity, mechanisms association cell membranes 5225.
Computer applications, Compound 48-80,

Compound 48-80,

Compound 48-80,

Compound activity, mechanisms association cell membranes 5225.

Compound activity, mechanisms association cell membranes 5225.

Compound activity, mechanisms association cell membranes 5225.

Candida brassicae continuous culture, biomass production 8167.

carbon dioxide monitoring, fermentors 5361.

clinical microbiology, bacteria 3593.

control, fermentation 1987.

culture collections, data processing, computer programs 5391.

diseases identification, Glycine max, USA, Illinois 4942.

ethanol fermentation, yeasts 9229.

fermentation analysis 9239.

fermentation control 445-7

fermentation, monitoring, penicillin fermentation, media (culture) 9754.

fungi growth monitoring, penicillin fermentation, media (culture) 9755.

genetic control. I frincum aestivum disease resistance, leaf rust, USA, North Dakota 7730.

Lipomyces starkeyi batch culture, lipids production 7496.

monitoring, fermentation, conferences 5456.

most probable number 9829.

neutralization, bioassays, herpesvirus 7229.

penicillin fermentation models, filamentous microorganisms 9756.

predictions, Alternaria solain early bilght, Lycopersicon esculentum, USA 4011.

Staphylococcus aureus protopiasts fusion, gene mapping 4508.

Straptococcus dentification, ass chromatography 2672.

taxonomy (numerical) microorganisms, proteins electrophoresis 8091.

Computer programs,

Cannocytophaga taxonomy, identification keys 843.

culture collections, computer applications, data processing 5391.

taxonomy (numerical) microorganisms, proteins electrophoresis 8091. Columba, teces, association, Cryptococcus neoformans, contamination, public health 4457. manure, media (isolation), Cryptococcus neoformans 8154.

Column chromatography, Amanita muscaria pigments 2849. cophalosporin C 3402. coapulation factor VIII purification, use hepatitis B virus antigens 3542. + detergents, anaerobic conditions, methodology, fractionation Pseudomonas hydrocyanic acid production enzymes 4505. peptidase, Candida albicans 6542. purification, influenza A virus 7295. peptidase, Candida atbicans 6542. purification, influenza A virus 7225. Columnea, Corynespora casicola leafspot 2192. Colystin, Bacteroides fragilis antibiotic sensitivity testing 7130. Combined vaccines, antibody response commercial species, marketing, bacteria, biological control, insecta 1021.

Commiphora mukul, Commiphora mukul, extracts, antiviral agents, vaccinia virus 3343.

Common been mosaic virus, infection, yield, productivity, growth rate, Pisum sativum 8539.

Community composition, fungal fora, seasonal variations, crop fields, Brassica campestris 9546. fungal flora, seal microorganisms, deserts, Kuwart 8673. soil microorganisms, organic matter decomposition, coal mines 5914. soil microorganisms, soil properties 8663. soil microorganisms, soils (saline), soil chemistry 7819.

Community structure, bacteria, mines, drainage, effects on, lakes 8068. bacteria, soil, species diversity, Pahokee muck, enzymatic activity, respiration 5912. Computers, data processing, fermenters 9004. Conalbumin, antibacterial activity, microflora 5181. antibacterial activity, relationship microflora immune response, Mammalia, trophic relations, forests, steppes 1448. Comovirus, reviews 5176. host range, pathogenicity, crops 2172.

Compactin, hydroxylation, Mucor hiemalis, 3a-hydroxycompactin biosynthesis 8872.

Mucor hiemalis hydroxylation 7552. Concanamycins, structure, Streptomyces diastatochrogenes 3448. Concanavalin A, hydroxylation, hydroxylation 7552.

Competition, Claviceps purpurea scierotia, infection, Secale cereale seeds, photosynthesis carbon sources 374.

denitrifying bacteria, reviews 5110.

evolution, Uredinales 6764.

Glycine max, non-infected, comparison soybean mosaic virus infection, yield 6740.

Cones and the standard stress, scierotia germination, fungi, soil 9573.

gradiating production, Pinus contorta subsplatifolia, blister rust effects on 4169.

Confectionery, dairy products, food contamination, coliforms, fecal coliforms 9276. methodology, detection, Lassa fever virus, Japanese encephalitis virus, glycoproteins 3541. Concrete, walls corrosion, sewers, Thiobacillus enumeration, Germany, Fed. Rep. 7537.

Competition, (continued)

arences,
inoglycoside antibiotics, clinical aspects, bacteria antibiotic resistance
368.
ocilius, antibacterial activity 9099.
cilius megatarium peniciliin anidase, activity mechanisms 9159.
citeria biodeterioration, industries, hetory 4754.
citeria biodeterioration, industries, hetory 4755.
citeria food contamination, microbial politution, drinking water, indicator species 5454.
citeria, fungi, biodegradation 2729.
citeria, nitrogen fixation, plasmids transfer 5452.
deterioration, fungi, bacteria, books 10004.
geochemistry, books 7279.
plogical control, pathogens 1819.
logical control, josi suppression, plant diseases 1818.
mass conversion, ethanol production, sugars fermentation 10010.
mass production, stilization, books 10009.
oks, antibacterial agents, antiviral agents, chemotherapy, man, activiry, in vitro 6364.
oks, Basidiomycetes, decomposition, ecology 8187.
fotaxime antibacterial activity 6362.
inical microbiology, microbiology, ecology, genetics, fermentation 909.
trimoxazole antibacterial activity 6362.
rical microbiology, microbiology, ecology, genetics, fermentation 909.
trimoxazole antibacterial activity 6367.
ntal caries, prophytaxis, treatment, oral hygiene, man 8189.
saase resistance, plant breeding, genetic analysis, plant diseases 7278.
cherichia coli enterotoxins biosynthesis, media (culture) methodology 9881.
ads, contamination, bacteria, fungi, mycloxinis 5456.
mentation, computer applications, monitoring 5456.
mentation, computer applications, monitoring 5456.
mentation, ocomputer applications, monitoring 5456.
mentation, ocomputer applications, industries 7477.
gig, plant diseases, fungicides resistance 2730.
lustrial microbiology 5459.
substrain microbiology 5459.
corrorganisms biodeterioration, industries 5457.
crobiology 810 stodeterioration, industries 5457.
crobiology 810 stodeterio inoglycoside antibiotics, clinical aspects, bacteria antibiotic resistance 5366. dia, pergillus parasiticus aflatoxins, Aspergillus flavus, Aspergillus parasiticus 2948.
1948.
Javeria bassiana, foliar application, Solanum tuberosum leaves, pathogenicity, eptinolarsa decemlineata, bioassays, biological control 7482.
Joiaris Sorokiniana, identification, soli isolates 7805.
Tyriis cinerea, penetration structure, Phaseolus vulgaris 9332,
chilobolus sativus, soil microorganisms colonization, fluorescence microscopy
1625.

chliobolus victoriae, germination, nutrient availability, fungistasis, soil 1572.

letotrichum falcatum, survival, soil 4198. locarpon rosae, nitrogen (liquid) storage, culture collections 3629. nia necaphidis, biological control, Aphididae 8361. siphe graminis f.sp.hordei infection, dispersal, Hordeum vulgare, Denmark 128.

1/28, gl, chlorine effects on 2475. mination, Mena conicospora, fixation, potassium permangonale use 4519, tarrhizium anisopliae, viability, characterization, biological control, Culex ipienis 7479. sase, Botrytis squamosa, Allium cepa blight, weather relationship 5771. reg germination, Cryphonectria cubersis, Eucalyptus phenois effects on, role, isease resistance, canker 5814. res, environmental conditions, pest control, Entomophthorales, biological ontrol 1009. revival, bathocenicity. Botrytis fabae, Vicia faba 5677.

ontrol 1009:

introl 1009:

in

Conielta granati, leaf blotch, fruit rot, Punica granatum 7680. Coniferales,

butt rot, Heterobasidion annosum, Sparassis crispa, Calocera viscosa, pathology

4179.
ectomycorrhizas ultrastructure 533.
forests, litter decomposition, role, fecal microflora, Clethrionomys 1449,
forests, soils (acid), nitrification, Nitrobacter 1446.
Laccaria laccata, effects on, growth 532.
leaf litter decomposition, bacteria, carbon, nitrogen production, association, climate 2021.

Phytophthora, pathogenicity 5073.

Phytophthora, pathogenicity 5073.

Coniophora puteana,
chemotropism, association, wood volatiles 3765.

USA mines forest products biodegradation 7792.

Conlothyrium fuckelil,
canker, Rosa, disease control, fungicides 1410.

nids, analysis, Staphylococcus aureus gentamicin antibiotic resistance 8738. Conjugation, R factors, hexachlorophene drug resistance, Escherichia, Salmonella, Pseudomonas

6330.

R factors, incompatibility, identification methodology 3551.

R factors, incompatibility, identification methodology 3551.

Phages, Escherichia coli toxins gene transfer, toxicity, laboratory animals, domestic animals 9315.

Staphylococcus, plasmids, drug resistance, gentamicin 3273.

Vibrio anguillarum, plasmids, drug resistance, conjugation 6015.

Contact lenses, clearhand pluconate levels, colorimetry 4324. hydrogen peroxide, preservatives, artifungal activity, Candida 709.

Contagious equine metritis, bacteria isolation, modis (selective), horses 862.

Containers, dentures, pathogens isolation, cancer patients 3506.

Contamination, altaroxim B1, gram 7616.

aflatoxin B1, gram 7616. aflatoxin B1, Spodoptera frugiperda pest outbreaks, drought effects on, Zea mays 4887

aflatoxin B1, Spodoplera Irugiperda pest outbreaks, drought effects on, Zea may 4887.

aflatoxin M1, levels, cheese, ripening effects on 280, aflatoxin M1, levels, ripening, chedat rcheese 281.

aflatoxin M1, levels, ripening, cheese 282.

aflatoxin M1, levels, ripening, cheese 282.

aflatoxins, com, association, water content, assays, USA, South Carolina 9291.

aflatoxins; com feeds, rats 8494.

aflatoxins; peanuts 3870.

aflatoxins; peanuts 3870.

aflatoxins; standards, reviews 2942.

aflatoxins, Zea mays, breeding effects on 3880.

analysis methodology, association, bacteria culture, freeze-drying 2684.

animals feeds, bacteria, fungi, mycotoxins, conferences 5455.

aquiffers, bacteria, anthanogenesis, phenol 4450.

Arachis hypogae, aflatoxins, factors affecting 2941.

Arachis hypogae, aflatoxins, factors affecting 2941.

Arachis hypogae, aflatoxins, factors affecting 2981.

association, Cryptococcus neoformans, Columba, feces, public health 4457.

bacteria, entibiotics fermentation, Penicillium, Streptomyces, detection, Bactec 1est 8824.

bacteria, bedding, hospitals 1731.

bacteria, enterovirus immobilization bentonite, ethanol bactericidal activity 3523.

bacteria, feeds, domestic animals 248.

bacteria, breast milk, pasteurzation, cold storage 214.
bacteria, reterovirus immobilization bentonite, ethanol bactericidal activity 3523.
bacteria, feeds, domestic animals 248.
bacteria, fishery products, Kenya 3837.
bacteria, fungi, control, preservatives, antibacterial activity, antifungal activity 4320.
bacteria, growth, beef, packaging 265.
bactena, growth, milk, cold storage 4827.
bacteria, injectable vials, medical equipment, cost-benefit analysis 9822.
bacteria, injectable vials, medical equipment, cost-benefit analysis 9822.
bacteria, milk, food quality, storage 4837.
bacteria, milk, milk, ond quality, storage 4837.
bacteria, milk, milk, ond paulity, storage 4837.
bacteria, milk, rogranicity evaluation, standards 4839.
bacteria, milk, spanicity evaluation, standards 4839.
bacteria, milk, spanicity evaluation, standards 4839.
bacteria, milk, spanicity evaluation, standards 4839.
bacteria, milk, suality control 4834.
bacteria, milk, suality control 4834.
bacteria, poultry, counting methods, factors affecting 190.
bacteria, respirators, medical equipment, nosocomial environments 9823.
bacteria, issuandards, milk 4824
bacteria, letth, man, dentisty instruments 2643.
bacteria, standards, milk 4824
bacteria, issuase damage, organoleptic evaluation, beef, mutton 181.
bacteria, vaccinia virus samples, phenois elimination 2657.
bacteria, water disinfection, cleaning systems, milking machines 5342.
bacteria, essass, fungi, growth, ham, smoking, curing 180.
beer, hops, alfaboris 3437.
bracteria, vaccina virus samples, phenois elimination 2657.
bracteria, vaccina virus samples, phenois elimination 2657.
bracteria, samples water disinfection, cleaning systems, milking machines 5342.
bacteria, samples water disinfection, cleaning systems, milking machines 5342.
bacteria, samples samples, phenois elimination 2657.
bracteria, samples wateria, acceria discord

bacteria 4451. cotton, gram-negative bacteria 1320. cotton, gram-negative bacteria, endotoxins 5659. Crassostrea virginica, Mercenaria campechiensis, Escherichia coli, relationship, Salmonella 2042. crops, leaves, poliovirus, adenovirus, recovery methodology 1767.

Control programs, (continued) salmonellosis, food contamination, man 230. Contamination, (continued) drinking water, bacteria, Egypt, nvers 2618. drinking water, coliforms identification, characterization, tropical environment http://dimining.water, hepatitis A virus, epidemiology, hepatitis A, man, USA, Pennsylvania 7202. drinking water, parasites, Egypt, rivers 2619. endotoxins, enzymes, enzyme-linked immunosorbent assay 9826. Escherichia coli, antibiotic resistance, identification 8728. leads, bacteria, fungi 4861. 8978 Convolvulacese, roots, weeds, susceptibility, fungi infection 9394.
Convolvulus curvensis, weed control, biological control, fungi, surveys 414. weed control, biological control, rungi, surveys 414.

Cooking,
bacteria survwal 210.

kitchens, pork, food contamination, bacteria 232.

kitchens, poulity, spoilage, food contamination, bacteria 1087.

kitchens, sanitation, food contamination, bacteria 1087.

kitchens, sanitation, food contamination, bacteria 213.

vysters, food contamination, vibro cohoree 2912.

Stanbalogov feeds, chickens, association Aspergillus flavus cyclopiazonic acid biosynthesis 8512.
feeds, fungi, mycotoxins, cattle sterility 4890.
feeds, Fusarium, assays 4863.
feeds, high-performance liquid chromatography, mycotoxins 4893.
feeds, high-performance liquid chromatography, mycotoxins 4893.
feeds, mycotoxins, pilgs, mycotoxicosis 4895.
finger, man, Salmonella carriers 2703.
food industry, sugars, bacteria, fungi 184.
food, water, sewage, public health, man 5285.
Fusarium monitiforme air spora, Asparagus flowers 9414.
goats meat, frozen foods, Bacillius cereus, Staphylococcus aureus, Streptococcus
5606.
Gramineae, mycotoxins 5651. pork, food contamination, Clostridium perfringens, Staphylococcus aureus, kitchens 1066. Cooling towers. biocides, antimicrobial activity, Legionella pneumophila 5221. Cooling water,
British Isles, Legionella pneumophila incidence, antimicrobial agents effects on
1706 goals meat, frozen foods, Seacillus cereus, Staphylococcus aureus, Streptococcus serieus, Streptococcus aureus, Streptococcus serieus, Staphylococcus aureus, Streptococcus, Staphylococcus, Escapea, Marchael Seacillus cereus, Staphylococcus, toxigenicity 8464. Lactobacillus case, cheese production 9274. hospitals water supplies, Legionella pneumophila 1719. Infants food, Bacillus cereus, Staphylococcus, toxigenicity 8464. Lactobacillus case, cheese production 9274. hospitals water supplies, Legionella pneumophila 1719. Infants food, Bacillus cereus, Staphylococcus, toxigenicity 8464. Lactobacillus case, cheese production 9274. has bacteria, surveys 223. meat, prevention, water chlorination 7611. medical dressings, Bacillus, fungl, Micrococcus, Propionibacterium 8073. microorganisms, association, food packaging, plastics 1094. microorganisms, association, food packaging, plastics 1094. microorganisms, media (culture), use biosynthesis, antibiotics 8803. milk, anarchoic bacteria, spores 4829. milk, bacteria, teats washing effects on, cattle 5359. milk, sources, spore-forming bacteria 4539. milk, sources, spore-forming bacteria 4539. milk, sources, spore-forming bacteria, sources, propionibacteria, plastics, pl contamination, Legionella pneumophila, detection methodology 3474.
industrial water systems, fouling organisms, films, bacteria 6257.
isolates, Legionella oakridogensis sp.nov., characterization 3475.
paper milis, bacteria growth, pH temperature 7201.
systems, surfaces contamination, bacterioides, nutrient availability effects on bactena 4451 Copepoda, ttachment, Vibrio cholerae, association, epidemiology, marine environment 2622. attachment, vibric cholerae, association, epidemiology, mainle environment 2622 Coplamycin, structure 3445, synergism, imidazole, fungicidal activity, effects on membrane permeability 9679. Copper(II), substitution, effects on aminopeptidase activity, Aeromonas proteolytica subsp.proteolytica 8277. active sites, azurin coordination geometry, Raman spectroscopy, Pseudomonas active sites, azum conditiation geometry, namian specialsocyty, i sedictional aeruginosa, activity, Entamoeba histolytica, Staphylococcus aureus 2497. bacteria uptake, wastewater treatment 5313. bioacciumulation, activated sludge bacteria, heavy metals tolerance, wastewater bloaccumulation, activated sludge bacteria, heavy metals tolerance, wastewater treatment 6246.

mouthwashes, retention, dental plaque inhibition, man 8998.

mystatin complex, physiochemical properties 8867.

pipelines, disinfection apparatus, bacteria growth 5344.

reconstitution monophenol monocyygenase appenzymes, kinetics, mechanisms, Neurospora 2762.

sensitivity, Xanthomonas campestris pv. vesicatoria, association, disease control, spot, Piper nigrum 6878.

soil amendment, bactericidal activity, Escherichia coli survivat, soils (organic) 8708. soil amendment, sewage sludge, effects on soil microorganisms, growth 5988. thionein complex, Saccharomyces cerevisiae, reconstitution laccase, Rhus vemicifera 6497. vemioriera 6497.

Toxicity, nickel resistance, Neurospora crassa 7906.

Copper chloride,
use, leafspot disease control, Dioscorea dumetorum 5061.

Copper oxychloride,
antifungal activity, Choanephora cucurbitarum 4004.

effects on seeds microflora, Capsicum annuum 5832. effects on seeps intertuning, operations, Copper sulfate,
foliar applications, disease control, Citrus paridisi greasy spot 5834.

Copper-8-quinolinolate,
disease control, sap stain, wood storage, Liriodendron tulipitera, Pinus 9529,
disease control, stain, wood, Pinus 5882. tablets, microorganisms, pressure effects on 3459. Tilletia controversa spores, grain, Triticum aestivum 1329. tobacco, fungi, bacteria 438. 42,4-5-trichlorophenyl acetate, soil, biodegradation, Pseudomonas cepacia 4750. Triticum aestivum, Aspergilius flavus aflatoxins 3872. vaccines, fungi, antibiotic resistance, drug resistance, characterization 2396. viruses, surface water, German Dem. Rep. 3477. water, Bacillus sublisit, U. V. radiation disinfection 3472. water, enterovirus filtration methodology 3520. water, enterovirus filtration methodology 3520. Xiphias gladius, fishery products, packaging, Lactobacillus, Pseudomonas, chemistry 4808. zearalenone, assays, com, feeds 5644. mutants, straw substrate, cellulose biodegradation improvements 6658. Coprinus atramentarius, melanins, chemical composition, role, humus formation, soil 9218. Coprinus comatus, Coprinus comatus, melanins, chemical composition, role, humus formation, soil 9218.
Coprinus micaceus, melanins, chemical composition, role, humus formation, soil 9218.
Coproporphyrinogen oxidase, mechanisms, Rhodopseudomonas sphaeroides 4615.
Cordens martini sp.nov., lealspot, Cymbopogon martini 3985.
Cordyceps clicadse, galactomannans, glucans, antitumour activity, mice 7453.
Core protein. galactomannans, giucans, antiumotir adunty, mice 7700.
Core protein,
amino acid sequence, Semiki Forest virus 7292.
amino acid sequence, Sindbis virus 7293.
Corlandrum aativum,
canker pathophysiology, Protomyces marcosporus role 7711,
powdery mildew, Erysiphe polygoni, disease control, fungicides 493.
Rhizoctonia bataticola infection, new records, India 3978. Continuous culture, onthruous culture,
Aspergillus phoemicis, β-glucosidase, production 3672.
Azolobacter vinelandii, Candida lipolytica, sea water 8089.
Bacillus subtilis, c-amylase production 2794.
Brevibacterium ammoniagenes immobilized cells, coenzyme A biosynthesis 1944.
Brevibacterium flavum, lysine biosynthesis 2747.
Candida guilliermondii, association, pH, temperature 2725.
Candida guilliermondii, paraffin metabolism 2390.
Candida utilis, ethanol metabolism, biomass yield, oxygen effects on 7509.
Clostridium acetobulyticum, production, acetone, butanol 1037.
ethanol fermentation 8404.
Kluvyeromyces fradilis: inulinase production, carbon, sources effects on 2813. Cortolus, enzymes, use, melanodin coloration removal 150.
Cortolus versicolor,
Chemotropism, association, wood volatiles 3765,
immobilized cells, pigments removal, pulp mills, industrial effluents 8959,
lignins biodegradation 8422.
lignocellulose biodegradation, comparison, softwoods 170.
USA mines forest products biodegradation 7792.
use, color removal, industrial effluents, pulp mills, paper mills 8961,
white rot, pruning wounds, disease control, fungicides, Malus pumila 6873.
Solanum tuberosum, disease control 3112.
Corty root,
Lycopersicon esculentum 1264. Corlolus, Kluyveromyces fragilis, inulinase production, carbon sources effects on 2813, reactors, nitrifying bacteria, wastewater treatment, dissolved oxygen effects on Saccharomyces cerevisiae, cytochrome P450 1930.
Saccharomyces cerevisiae, oxygen uptake measuring techniques 900.
Streptococcus mutans, glucosytiransferase, fructosytiransferase, production 972.
Streptomyces hygroscopicus, tunmycin, biosynthesis, genetic analysis 762 and Tatalhymmen pyriflomis, predator-prey interactions, Escherichia coli, attachment Lycopersicon esculentum 1264. Corn, 2673 Thermus aquaticus, growth, media (culture) 2691. Vibrio cholerae, Vibrio mimicus, enterotoxins biosynthesis, recycling 8517. aflatoxins contamination, fluorescence, association, water content, assays, USA, South Carolina 9291.

aflatoxins food contamination, detection, high-pressure liquid chromatography

Control programs, dental plaque, man 3507 n, (continued)
Ilatoxins food contamination, USSR 5652.
animal wastes sitage, fermentation, biochemical characteristics, microorganisms of the standard of the standard standa 1889.

poilage, fungi, preservation, isobutyric acid, propionic acid 5626.

torage, food contamination, Aspergillus 443.

torage, spoilage, association, mycotoxins production fungi 2069.

mperature, effects on, Aspergillus oryzae, fermentation, ethanol 8395.

earalenone contamination, assays 5644. Corynetorms,
--hydroxy acid production 2743.
odor compounds, degradation, manure, pigs 8060.
Corynespora casilcola,
leafspot, Asschynanthus pulcher 2192.
Corynespora cassilcola,
Intection, Lycopersicon esculentum, incidence, India 5009. rnea, Icers, treatment, man, relationship anesthetics antibacterial activity 9676. Cost vitespora searches, infection, Lycopersiscon esculentum, incidence, India 5009.

Cow's milk, affatoxin M1, cattle feeding regimes, Gossypium hirsutum seeds ammoniation, effects on 2946.

dinking, association Salmonella dublin infection, genatrics, man 5616. isolation, Campylobacter fetus subsp.jejuru 4799. isolation, Campylobacter feeding trials 250. Staphylococcus aureus, encapsulation, cross-reactivity 7577.

Cosmetics, enumeration methodology, gram-negative bacteria 2679, preservatives, antimicrobial activity 7965.

Cosmos sulphureus, seeds, storage conditions effects on fungal flora 4048.

Cost-benefit analysis, caphalosporins, antibacterial activity, side effects, reviews 7143, medical equipment, injectable vials, bacteria contamination 9822. wastewater treatment methodology 5320.

Costa Rica, lcers, treatment, man, relationship anesthetics antibacterial activity 9676.

**rocasia sezulenta*,
lack rot, Coratocystis fimbriata spores agglutination factors, isolation,
characterization 4993.

**ronatine*,
tosynthesis, relationship, symptoms, Pseudomonas blight, Glycine max 2990.

**ronavirus*,
thibodies, detection, enzyme-linked immunosorbent assay 9849.

**railomycin, ralomycin, colation, Streptomyces longispororuber mycelia 7160. rroslon, ladosporum resinae, mycelia, role, aluminum 169. teel, heterotrophic bacteria, role dissolved oxygen, sea water 9626. texolone texolone,
ydroxylation, hydrocortisone biosynthesis, Curvularia lunata immobilized cells
3726.
3726.
1726.
1726.
1726.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1727.
1 wastewater treatment methodology 5320.

Costa Rica, epidemiology, Thanatephorus cucumeris web blight, Phaseolus vulgaris 9325.

Coteneaster, Emma amylovora isolation, characterization 419.

Cotoneaster parmosa, Cotoneaster, Cotoneas tismorius, retair laurie, case reports, man 227.
"tinarius, "yoorthizas, Eucalyptus 1440.
"tinarius splendens,
sushroom poisoning, man, case reports 4768.
"ydalis sempervirens,
ssue culture, Aerobacter aerogenes cell culture, glyphosate resistance 8743.
"yraacus sepedonium,"
slilulose decomposition 2879.
"yrebacterium,
ribbacterial activity, dimethyl sulfoxide± antibacterial agents 7919.
acteria growth, association carbon 8069.
lodegradation, odors compounds, skatole, indole, butyraidehyde 5580.
lodegradation, -6-aminohexanoic acid 3783.
holesterol conversion, 20-carboxy-pregna-1,4-dien-3-one production 120.
lucose fermentation, 2-ketol-_guloric acid production 928.
lutamic acid fermentation, growth association, relationship, carbon dioxide
production 6381. resistance 4207.

By State 1 and 1 a nolesterol conversion, 20-carboxy-oregnan-1,4-dien-3-one production 120. lucose fermentation, 2-ket-0-guloric soid production 928. lutamic acid fermentation, growth association, relationship, carbon dioxide production 6381. eat resistance, dairy products, incidence 481, morbilized cells, hydroxylation, 4-androstene-3,17-dione 6565. lants pathogens, preservation, gels+cold storage 2688. olyploylogitumate synthetase, purification, characterization 67. opulations, soil pH effects on, relationship, Fusarum oxysporum f.sp.apit, yellows, Apium graveolens var.duce 5748. arcosine oxidase, FAD binding regions, amino acid sequence 6539. innase, tannin decomposition 5600. xonomy (numerical), computer applications 9887. ynebacterium bovia, sastitis, disease control, quatermary ammonium compounds, teat dips, antibacterial activity, catite 1728. ynebacterium bovia, assitis, disease control, quatermary ammonium compounds, teat dips, antibacterial activity, catite 1728. ynebacterium dipritheriae, incinical isolates, identification 6312. utation, association, iron effects on toxins production 3889. xiris structure, toxicity, reviews 6724, ynebacterium dipritheriae, impolitized cells, alianine biosynthesis 9133. ynebacterium dismutans, impolitized cells, alianine biosynthesis, immobilized cells 16. am ynebacterium faccumpaterium production, gel chromatography 8514. xiris structure, toxicity, reviews 6724, ynebacterium faccumpaterium production, mobilized cells 16. am ynebacterium inadiconum, mobilized menalion, service accident, menalion, menalion, wegetables, plants, disease control 2267, ynebacterium menilod, menalion, medicago sativa 4063. ynebacterium menilod, menalion, m 6004.

fug resistance, bacteria, reviews 3293.

frug resistance mechanisms, bactera 6000.

frug resistance, Salmonella krefeld aminal isolates, plasmids, role 3278.

frug resistance, Salmonella krefeld aminal isolates, plasmids, role 3278.

frug resistance, Salmonella hyphmurium clinical isolates 4282.

frug resistance, Streptococcus pneumoniae clinical isolates 3300.

in vitro antibacterial activity, McCoy cells, Chiamydia trachomatis 6008.

intravenous administration, bacteria infection, in vitro antibacterial activity,

man 6037. Main 0007.

Mycobacterium infection, in vitro antibacterial activity 6034.
resistance, bacteria, septicemia, man 645
sensitivity, bacteria, urinary tract isolates 8813.
Staphylococcus clinical isolates, susceptibility 3281.
tolerance, Haemophilus influenzae, association capsules polysaccharides 1562. Cotton, contamination in microlinal similarities and contamination gram-negative bacteria, endotoxins 5659.
contamination, gram-negative bacteria, endotoxins, effects on respiratory function, man 1320.
localization, gram-negative bacteria, endotoxins 4913.
post-harvest decay. Aspergilius favus, affatoxins, kojic acid biosynthesis 5648.
pretreatment, ozone, sodium hydroxide, biodegradation, carbohydrate-degrading bacteria, rumen microorganisms 1062.
wastes, glucose production, fungi cellulolytic enzymes 6653.
Cottoneed, dust, endotoxins 5663.
Coturnix japonica, ovomucoid, interaction trypsin-like enzyme, Streptomyces erythraeus 6481.
Cotyledons, Gossypium barbadense, susceptibility, Alternaria macrospora, infection, pathogenesis 9391.
Gossypium hirsutum, membrane potential, relationship, ATP, blight, Xanthomonas campestris pv.malvacearum 3055.
Coulter counters, Cotton, Coulter counters, cell size measuring techniques, bacteria, yeasts, fungi 2646. cell size measuring teurinques, vaecum, 75
Coumarins,
antifungal activity, Drechslera oryzae 8835.
Tovornita brasiliensis, fungi, effects on 7799.
p-Coumaryl alcohol,
biodegradation characterization, Aspergillus flavus 164.
Coumermyeln,
bacteria cell injury 5280.
Counter immunoelectrophoresis,
Clostridium difficile antigens 4477.
detection antibodies, and teichoic acid, Staphylococcus aureus, immunodiagnosis,

Counter immunoelectrophoresis, (continued)

Counter Immunoelectrophoresis, (continued)
Infection 9927,
detection Clostridium difficile toxins, feces 4912,
detection Clostridium difficile toxins, feces 4912,
detection, Haemophilus influenzae cerebrospinal fluid, meningitis diagnosis 9941,
diagnosis, meningitis, bacteria, man 6316,
enterorius, identification 1753,
identification, bacteria clinical isolates, clinical microbiology 834,
immunodiagnosis, Clostridium difficile cytotoxins, feces, colitis, man 9306,
Staphylococcus enterotoxins identification 4918,
Bacillus stearothermophilus, spores, dipicolinic acid activation 3612,
bacteria, fluorescence-membrane filtration 1798,
bacteria, fluorescence-membrane filtration 1798,
bacteria, fluorescence-membrane filtration 1798,
bacteria, fluorescence-membrane filtration 1798,
Bacteria, fluorescence-membrane filtration 1758,
Bacteria, fluorescence-membrane fluorescence-membrane fluorescence-membrane fluoresce

Escherichia coli. Vibrio cholerae, microbial pollution, estuaries, marine environment 6258. fungi, baeches 9071. Geotrichum food contamination, canned products 4776. immunofluorescence, spores, Bacilius anthracis, Bacilius cereus 3573. microbial pollution, wastewater treatment 3466. microorganisms, lood contamination 4641, molds food contamination, titus products 4775. most probable number, bacteria, viability 5431. proteolytic bacteria, lood contamination, fishery products 3808. yeasts, fluorescence, beer 2669. Coupling factor 1, inactivation, histidine residues diethyl pyrocarbonate chemical modification, Rhodospinilium rubrum 8285.

inactivation, histidine residues diethyl pyrocarbonate chemical modification. Rhodosprillum rubrum 8285. purification, 5'-p-fluorosulfonylbenzoyl adenosine chemical modification, mitochondria, Saccharomyces cerevisiae 943.
β-subunit, N-ethoxycarbonyl-2-ethoxy-1,2-dihydroquinoline chemical modification, Escherichia coli 8268.
Governa ethologo de consistence in the subunitation of th

vulgaris 299-do, screening association prevention, Vigna unguiculata 1124.
Zea mays, poller, inhibition, infection, Vigna unguiculata 327.
Cowpea mottle virus,
transmission, Bernisal tabaci vectors, Arachis hypogaea, Glycine max 4946.

trānsmission, Bemisia tabaci vectors, Aračnis nypogaea, unyome mau 45-to.
Cowpea nacroale virus,
disease transmission, Vigna unguiculata, vectors, Aphididae 5673.
Cowpea savera mosale virus,
infection, Calopogonium mucunoides, Centrosema pubescens, Vigna radiata,
Crotalaria junosa 4930.
mixed infection, bean yellow mosaic virus, symptoms, pathology, Phaseolus
vulgaris 2994.

vugants 2994.

Cowpox virus,
DNA-binding protein, purification, characterization 7285.

Coxiella burnetil,
infection, chickens, antibacterial activity, Allium sativum 668.

infection, chickens, antibacterial activity, Allium sativum 668.

Cozacklevirus, inferaction, days, physicochemical properties 9811. recovery, methodology, oysters 2908.

Cozacchevirus B3, herbs, infusion, antiviral activity 7950.

Cozacchevirus B4, antiviral activity 7950.

Cozacchevirus B4, antiviral activity 8-99.

radioimmunoassay, antigens cross-reactivity 8099.

Cozacchevirus B5, heat inactivation, methodology, food processing 1092. radioimmunoassay, antigens cross-reactivity 8099.

Crambus,

Crambus,

resistance, Lolium perenne, association endophytes, fungi 4954.

Crassostree gigas, food contamination, association, water pollution, phytoplankton, aquaculture 2924.

poliovirus bioaccumulation, polluted environments 1711.
Crassostrea virginica,
contamination, Eschencha coli, relationship, Salmonella 2042.
poliovirus bioaccumulation, polluted environments 1711.
seatlood, storage effects on bacteria 4765.

Seatood, storage effects on pacteria 4765.

Crassulaceae,
leaves, Colletotrichum gloeosporioides rot, detection methodology 9447.

Crataegus,

Erwinia amylovora isolation, characterization 419.
Crataegus monogyns,
fruits, Xylaria oxyacanthae decay 1057.
Cratylla floribunda,

growth stage, effects on nitrogen-fixing bacteria, symbiosis 3232. Cream

pasteurization, contamination, psychrotrophic bacteria, gram-negative bacteria

ripening, association, biosynthesis monocarbonyls, Streptococcus lactis,

Cream, (continued)

Streptococcus cremoris 205.

m-Cresol,

antifungal activity, wheat post-harvest decay 441. biodegradation, microorganisms, seasonal variations, water salinity effects on, aquatic environment 2876.

Crinipellis perniciosa, witches: broom, Theobroma cacao, histopathology 398. Claturiella moricola, lealspot, pathology, Zizyphus mauritania 8596.

leatsport, pathology, Zizypnus mauritamia cosso.

Cronartium,
bitster rust, Pinus, Rodentia, feeding damage 2318.

Cronartium coleosporioides,
bitster rust, relationship habitat, Pinus contorta, surveys, USA, Idaho 5862.

Cronartium comandrae,
bitster rust, Pinus contorta subsp.latifolia, effects on production, cones, seeds
4169.

1999.
Cronartium comptonise,
rust, association, Phellinus pini, pathology, Pinus banksiana 548.
rust, pathology, Pinus banksiana 4155.
Cronartium flaecidum,
association, Pinus ngra, Pinus sylvestris, leaves, basidiospores spore
germination 4154.
rilection, Pinus pinaster, host-pathogen interactions ultrastructure

5088

Cronartium quercuum, lusiform nust, nusi disease resistance 4148. lusiform nust, susceptibility. Pinus 6924. Cronartium quercuum f.ap.fusforme, lusiform nust, disease resistance, genotype-environment interactions, Pinus taeda

6908.
tustiorm rust, virulence, population genetics, disease resistance, Pinus 6913.
intection, colonization, Pinus taeda, ultrastructure 4166.
rust, aecospores, inoculum, etiology, Quercus 2322.
rust, disease resistance, Pinus taeda 5805.
rust, Quercus seedlings, aecospores inoculum 544.
rust, tradimeton, disease control, Pinus elliotti var.elliotti 9516.
Cronartum ribicola,
bitster rust, disease control, pruning, Pinus monticola 1457.
bitster rust, disease control, pruning, Pinus monticola 1456.
bitster rust, genetic vanance, pathogenicity, Pinus monticola 4146.
hybhae, inoculation, Pinus lambertiana hypocotyls, pure culture 542.
Crop fleids,
Brassica campestris, fungal flora, seasonal variations, community composition
9546.

9946:
cellulolytic microorganisms, cellulose biodegradation, agricultural practices,
fertilizers effects on 5982;
damage, pests, Aphididae, Triticum 3001.
foliar appications, pathogens, biological control, Arthropoda 991.
irrigation, USA, Arizona, Pythium aphanidermatium inoculum Beta vulgaris 426.
Plasmodiophora brassicae clubroot, calcium sulfate, sodium carbonate, effects on 314.
roots evuldate, metabolism divisionates interconcinents.
5999.

roots exudates, metabolism, rhizosphere microorganisms 5888. soil microorganisms, enzymatic activity, biomass, agricultural practices effects on 5980

soils (organic), soil microorganisms respiration, seasonal variations 3191. Trifolium, agricultural practices, denitrification, nitrification, mineralization

Vicia faba. Glomus mosseae spores 3186

Vicia (aud., Giolinis misseae spores 3160. Crop plants, disease resistance, soil-borne diseases, genetic analysis 6850. soil-borne diseases, disease resistance, phytopathogenic fungi, genetic analysis

Crop production,

Beta vulgaris, bacteria pathogenicity effects on 403. Uromyces appendiculatus infestation effects on, Macroptilium atropurpureum, Australia 6589. Crop production (no-tillage), tillage, association, soil nitrate reduction, USA, Maryland, USA, West Virginia 5950.

5950.
Zea mays, association soil nitrogen balance 6986.
Crop residues,
Brassica napus, chemicals treatment, Leptosphaeria maculans reproduction stagsuppression 463,
burning, Cochliobolus sativus, vertical distribution, soil, Triticum aestivum
9358

cellulose, pretreatment, heat+grinding, hydrolysis, cellulase, Trichoderma

cellulose, pretreatment, heat+grinding, hydrolysis, cellulase, Trichoderma harzianum 650-digestion (anaerobic), methanogenesis, inoculation, enumeration 7197. digestion (anaerobic), methanogenesis, inoculation, enumeration 7197. digestion, bacteria growth, factors affecting, forage quality 4860. ethanol production, cellulase activity, Trichoderma 4727. feeds, sheep, digestibility 4870. fermentation, bacteria, single-cell protein production 9110. fermentation, bacteria, single-cell protein production 9110. fermentation, gases environments, Aspergillus oryzae, Trichoderma reesel, Streptomyces, reviews 4723. Gossypium hirisutum, digestibility, sheep, rumen microorganisms, pretreatment, ozone, sodium hydroxide 5634. Gramineae, lactic acid production, Lactobacillus plantarum effects on 5623. Medicago litrozialis, nitrogen sources, decomposition, soil microorganisms, uptake, triticum aestivum 7001. organic matter decomposition, soil microorganisms 2325. Oryza sativa, acids hydrolysis, single-cell protein production, Candida tropicalis 9109. Oryza sativa, biodegradation, mesophilic microorganisms 168.

tropicalis 9109.

Oryza sativa, biodegradation, mesophilic microorganisms 168, roots, Fusarium culmorum infected, role, infection, Triticum aestivum, Hordeum vulgare, Loilum perenne 3961.

Saccharum officinale, ethanol fermentation, Saccharomyces cerevisiae 2873. single-cell protein production, economics 9108.

single-cell protein production, Fusarium, Sporotrichum 9112. single-cell protein production, rubaritum, Sporotrichum 9112. single-cell protein production, nutritive value 9111, soil amendment, organic matter decomposition, soil microorganisms, C/N ratios 5986.

per residues, (continued)
oil microorganisms decomposition, land disposal, reviews 5981.
pmato mosaic virus persistance, infection, Lycopersicon esculentum 1233.
ea mays, cell walls, biodegradation, Chaetomium cellulolyticum, protein
biosynthesis 8418. ea mays, pre viride 8448. pretreatment, heat + sodium hydroxide, hydrolysis, cellulase, Trichoderma vinde 8448.

vinde 8448.

tea mays, survival, Cercospora zeae-maydis, etiology 4051.

fea mays, survival, Colletotrichum grammicola 3946.

portation,

ssociation, catalase activity, soil, USA, anaerobic bacteria 2382.

ssociation, Lupinus diseases, fungi, viruses 4985.

8eta vulgaris, insecticides, herbicides, effects on, fungi, soil 618.

disease control, Rhynchosporium secalis, leaf blotch, Hordeum vulgare 5809.

sliseases control, Septora nodorum glume blotch, Triticum aestivum 9466.

Baeumannomyces graminis var, firtic, take-all, Triticum aestivum 2266.

Bramineae, effects on soil microorganisms 623.

ntegrated control, herbicides, nematicides, soil fumigation, damping-off,

Cucums sativus 9473.

ligna unguiculata, Phaseolus vulgaris, Zea mays, nodulation, growth 1504.

sea mays+Sorghum, effects on maize chlorotic mottle virus incidence 2116.

Vigna unquiculiata, Phaseolus vulgaris, Zea mays, nodulation, growth 1504, 26a mays + Sorghum, effects on maize chiorotic motitie virus incidence 2116, pps.
2016. The properties of the propert

weed control, seedling blight, Alternaria cassiae 1286.

own gall,

Agrobacterium tumefaciens, biological control, Agrobacterium radiobacter,

Phaseolus vulgaris 2838.

Agrobacterium tumefaciens, cell adhesion, initiation, Helianthus 3060.

Agrobacterium tumefaciens induction, N2-(1,3-dicarboxypropyl)-L-leucine isolation

8390. Agrobacterium tumefaciens, cell adhesion, inmanon, Heliantius 3-ooi.
Agrobacterium tumefaciens induction, N2-(1,3-dicarboxypropy)1-leucine isolation
6390.
Agrobacterium tumefaciens, Nicotiana tabacum DNA organization 2202.
Agrobacterium tumefaciens, Nicotiana tabacum tumors morphology, genetic control Crystallization,
7689.

General Control Crystallization, Cellulomonas 77.
General Control Control

7689.

Togobacterium turnefaciens, plant cells binding, host range 2977.

Agrobacterium turnefaciens, plants genetic engineering 9318.

Agrobacterium turnefaciens, temperature effects on, Helianthus annuus, Kalanchoe 8574.

8574.
8574.
sacteria, induction, plants 4928.
isological control, Agrobacterium turnefaciens agrocin, purification, host range
4716.

http://doi.org/10.1007/sacterium turnefaciens superoxide dismutase activities calveinum. Agrobacterium turnefaciens superoxide dismutase activities calveinum.

4/10. Bryophyllum calycinum, Agrobacterium tumefaciens superoxide dismutase activity 5013.

styopnynum calycnum, Agrodacterium fumetaciens superoxino distribuses activismosticis activismosticism

Tiplasmid, Agrobacterium turmefaciens, genetic engineering 5788.

www rot,
spergillus niger, herbicides, disease control, Arachis hypogaea 2277.
ungi, Musa sapientum, pathogenicity 395.
Aedicago sativa, Pseudomonas viridiflava 6744.
Aedicago sativa, USA, Utah 9322.
Aedicago sativa, USA, Utah 9322.
Aedicago sativa, Egypt 5675.
hanatephorus cucumeris, virulence, Beta vulgaris 5008.
Tematusphaeric circinans, Medicago sativa, USA, South Dakota 8532.
WM rust,
ducinia coronata, disease resistance, plant breeding, Festuca arundinacea 448.
Puccina coronata (sp. avenae, Avena sativa, protein biosynthesis 3952.
Puccinia coronata (sp. avenae, Avena sativa, protein biosynthesis 3952.
Puccinia coronata (sp. avenae, Avena sativa, protein biosynthesis 3952.
Puccinia coronata (sp. avenae, Avena sativa, protein biosynthesis 3952.
Puccinia coronata (sp. avenae, Avena sativa, protein biosynthesis 3952.
Puccinia coronata (sp. avenae, Avena sativa, protein biosynthesis 3952.
Puccinia coronata (sp. avenae, disease resistance, phytoalexins, Avena sativa, 1353.

1353.

Tuccinia coronata f.sp.lolii, disease resistance, Lolium perenne, Lolium muttrilorum 4079.

Iciferae, lubroot, Plasmodiophora brassicae, calcium carbonate, effects on, pathogenesis

4255
lubroot, role, 3-indolylmethylglucosinolate conversion 5761.
atthogenicity, clubroot, Plasmodiophora brassicae 2211.
gsicular-arbuscular mycorrhizas 6969.
truses infection 3082.
staces,
cidence, Vibrio haemolyticus, Kenya 1069.
ogenica,
ffects on, bacteria, food processing 3862.
originy,
nhancement, Pseudomonas syringae, Lycopersicon esculentum, Glycine max 2224.
as mays, Erwinia herbicola, biological control, bacteria, nuclei, activation
8643. 8643

Cryolnjury, (continued)
Zea mays, Erwinia herbicola, inhibition, Pseudomonas syringae, ice nuclei activation, biological control 8642.

Cryopreservation,

Cryopreservation, (ung. nitrogen (liquid), methodology 6345, media semen contamination, antimicrobial activity, nipagin 1591. Pasteurella haemolytica, antigens localization, methodology comparison 849, phytopathogenic fungi, viability, pathogenicity, methodology 4544. Cryphonectria cubensis, conidia, spore germination, mycelia growth, Eucalyptus phenols effects on, re-disease resistance, canker 5814.

lia growth, Eucalyptus phenols effects on, role,

Cryphonectria parasitica, blight, virulence, effects on, dieback, Castanea dentata 8655. Cryptococcosis,
man, detection methodology, Cryptococcus neoformans 3632.

man, defection methodology. Cryptococcus neoformans 3632.

Cryptococcus,
antigens, latex agglutnation, proteinase effects on interference factors 9992.
enzymes, electrophoresis 7422.
ethanol production 7527.
heteropolysacchardes biosynthesis 1952.
lysine production, use, DL-α-amino-«-caprolactam 6395.
self fluorescence, use, defection, tissues 8155.

Cryptococcus albidus,
endo-14-97-D-xylanase, reaction products, characterization 1869.

Cryptococcus neoformans.
amphoterican B, 5-fluorocytosine, ketoconazole, miconazole, interaction,
antitungal activity 1567.
antibutic resistance, amphotenicin B 3308.
antitungal activity, naphhof (1,2-3)-thiazoles derivatives 7092.
antitungal activity, aminimal activity 8793.
cell distribution, in antitungal activity 3873.
cell distribution, in antitungal activity 3873.
cell distribution, association, Columba, feose, public health 4457.
cryptococcosis, man, detection methodology 3632.
dianyl suffices, antifungal activity 2482.
Filobasidella neoformans perfect state, media (culture) 4538.
growth, morphology, polyoxin D effects on 7170.
imidazoles, derivatives, antifungal activity 2480.
media (isolation), manure, Columba 8154.

Cryptogams,
North America deserts soil characterization 5887.

media (solation), manure, Columba 8154.
Cryptogams,
North America deserts soil characterization 5887.
Cryptosportopals,
canker, Acer rubrum, vector-borne diseases relationship Oecanthus angustipennis
9524.

9524.
Cryptostroma corticale, sooty bark, virulence, Acer pseuaopiatanus 6931.
Crystal structure, Eschenchia coli aspartate carbamoyltransferase 23.

Crystal-optics, accharomyces cerevisiae plasma membranes, association, resistance evaporation use 4514

Crystallinity,

rystammuy, cellulose gels, Acetobacter aceti subsp.xylinum 8328. oleandomisches humidity effects on, 8862. substrates, relationship, Trichoderma et seen cellulase activity association 8312.

Crystals,

rystatis,
Bacillus thuringiensis, biological control, Aedes aegypti larvae, potassium carbonate effects on 4717.
calcium oxalate, detection, roots, mantles, Eucalyptus marginata, Pinus radiata, association, ectomycorrhizas symbiosis 4211.
Clostridium tetani toxins, characterization 3890 oxyletracycline, solubitity 1636.
+ spores complex, Bacillus thuringiensis, exotoxins effects on Ostrinia nubitalis 7489.

CTP, interaction aspartate carbamoyltransferase, Escherichia coli 1906.
CTP synthetase, purlication, kinetics, Escherichia coli 7384.
Cuba,
Coffea, anthracnose, eye spot 2189.
Coffea, Colletotrichum gloeosporioides anthracnose, Cercospora coffeicola eye spot 391.

Coffea, Colletotrichum gloeosporioides anthracnose, Cercospora coffeicola eye spot 3910.

Cuculidae, growth, mortality, fungi post-harvest decay stored products, sorghum 5799.

Cucumber fruit streak virus, physicochemical properties, infection, Cucumis sativus 5789.

Cucumber green mottle mosale virus, replication, initrates nutrition effects on, Cucumis sativus 2183. seed-borne diseases, detection, enzyme-linked immunosorbent assay 7219.

Cucumber mosale virus, detection methodology, plant cells 4473. induction, inclusions, morphogenesis, Capsicum annuum 8573. induction, inclusions, morphogenesis, Capsicum annuum 8673. infected Pachystachys coccinea, methodology, isolation, double-stranded RNA 3897. infection, Cucuris ativus, effects on amino acids 3066. infection, Cucuris annuum 7699. infection, Cucuris alivus, effects on amino acids 3066. infection, cytology, Cucuris sativus 2164. Infection, Lycopersicon esculentum, pordan 6793. infection, Lycopersicon esculentum, pordan 6793. infection, Lycopersicon esculentum, relationship, electrophoresis, acids solubility proteins 2983. infection, Myosotidium hortensia, new records 3035. infection, Myosotidium hortensia (methodology effects on, Plsum sativum 7655. isoletion, Centaurea cyanus 2154.

Toso. isolation, Centaurea cyanus 2154. isolation, dentification, Capsicum annuum, Cucumis melo 3036. isolation, Psophocarpus tetragonolobus, characterization, USA, Florida 1125. pathogenicity, disease resistance, Lactuca saligna, genetic analysis 3135.

107

Cucumber mosaic virus, (continued) physicochemical properties, disease transmission, Aphididae, Phaseolus vulgaris 7654.

ngspot, Ajuga reptans 3043.
RNA defection, Nicotiana glauca extracts 5783.
satellite RNA, role, Lycopersicon esculentum, white leaf disease 1292.
± Sphaerotheca fuliginea, infection, effects on, micronutrients, Cucumis melo

3076. Susceptibility, cultivars, Nicotiana tabacum 2168. susceptibility, Galdiolius 2171. white leaf disease, RNA, relationship, infectivity, Lycopersicon esculentum 2195 Cucumeropela edulla, mosard cisease, viruse etiology, isolation, characterization, Nigena 4025.

Cucumis, fruit rot, Ulocladium chartarum, extracellular enzymes effects on pathogenesis 4015

4015.

Mycosphaerella melonis infection susceptibility 7709.
stem blight, epidemiology, relationship, powdery mildew, pest attack 1248.
wilt, Phytophthora drechsleri 2210.

Cucumis melo,
collapse, Monosporascus eutypoides role, Israel 9380.
Colletorichum lagenarium infection, ethylene effects on lignin biosynthesis 3097.
Colletorium lagenarium infection, ethylene effects on glycoproteins
accumulation, cell walls 3981.

accumulation, cell walts 3981.

cucumber mosaic virus isolation, identification 3036.

cucumber mosaic virus isolation, identification 3036.

cucumber mosaic virus: Sphaerotheca fuliginea, infection, effects on, micronutrients 3076.

disease resistance, Pseudoperonospora cubensis inoculation 7752.

downy mildew disease resistance 1358.

leal bilght, disease control, factors affecting pesticide applications 3150.

Macrophomina phaseolina infection, role, transmission (seed) 3978.

Monosporascus eutypoides infection, soil molisture, temperature, effects on, growth 5758.

growth 5758.
post-harvest decay, fungicides effects on 7723.
Sphaerotheca fuliginea pathogenicity 1275.
squash mosaic virus infection, Africa 1237.
wit, Fusarium oxysporum, symptoms 2214.
Cucumis melo var.mamordica,
canker, Synchytrium, pathogenesis 6782.
canker, Synchytrium, pathogenesis 6782.
canker, Synchytrium throbosanthidis, anatomy analysis 3976.
Cucumis metuliferus,
papaya ringspot virus disease resistance, relationship watermelon mosaic virus
disease resistance, genetic analysis 5778.

Cucumis sativa,

ucumie sative, phytotoxicity, microorganisms metabolites, soil pollutants 4193. ucumie sativus, beet yellows virus infection, disease transmission, Trialeurodes vaporariorum 9431. Colletotrichum lagenarium, induction, disease resistance, Pseudomonas lachrymans

Colletotrichum lagenarium infection, disease resistance induction 444

Colletotrichum lagenarium infection, disease resistance induction 444.
cucumber fruit streak virus infection 579.164,
cucumber mosaic virus infection, cytology 2164,
cucumber mosaic virus infection, effects on amino acids 3066.
cytology, hop stunt viroid infection 3039.
damping-off, integrated control, herbicides, nematicides, crop rotation, soil
furnigation 9473.
disease resistance, downy mildew, Pseudoperonospora cubensis 8609.
disease resistance, Fusarium oxysporum f.sp.cucumerinum, pathogens induction

2262.
disease resistance, powdery mildew, cultural conditions 2250.
Fusarium oxysporum f.sp.cucumeninum wilt, disease resistance induction 465.
Fusarium oxysporum f.sp.cucumeninum wilt, incidence 9415.
grey mold, Botrytis cinerea, dicarboximides resistance, greenhouses 6884.
hop stunt disease virus infection, localization, leaves cells 313.
leafspot, Xanthomonas campestris pv.cucurbitae 1305.
leaves, carbohydrates metabolism, Sphaerotheca fuliginea infection, effects on 1273.

leaves protein composition, disease resistance, tobacco necrosis virus infection

9460

necrosis, Pseudomonas syringae pv.tomato, etiology 3065. nitrates nutrition effects on cucumber green mottle mosaic virus replication

2183.
pathogoricity, Pseudomonas syringae pv.lachrymans, association, survival, soil, plant debris 9574.
pathology, powdery mildew, Leveillula taurica 5776.
powdery mildew, tungicides resistance, measuring techniques 7888.
powdery mildew, Sphaerotheca fuligimea, biological control, Ampelomyces quisqualis, hyperparasitism 2275.
powdery mildew, Sphaerotheca fuligimea, susceptibility, pathogenesis 3047.
proteins, hypersensitive response, tobacco necrosis virus 3113.
Pseudomonas lachrymans disease resistance inheritance 6851.
Pseudomonas syringae pv.lachrymans leafspot, disease control, seed treatments 9501.
Pythium rot, biological control. Enterphaetae gleaceaca

9501.
Pythium rot, biological control, Enterobacter cloacae seed treatments 9481.
Pritizosphere, roots, diseases spread, Pseudomonas syringae pv.lachrymans 4997.
roots, plant diseases, fungi, bacteria 9411.
sour cherry necrotic ring spot virus infection 2144.
spot, Leandria momordica, pathology 5768.
tobacco necrosis virus infection, osmotic stress effects on enzymes 413.
Trialeurodes vaporariorum, pest control, biological control, Verticillium lecanii 126.

Cucurbita.

Cucurbita, cucumber mosaic virus infection, imanine disease control 9483. MyCosphaerella meionis infection susceptibility 7709, watermelon mosaic virus infection, characterization 4984. wiit, Phytophthora directsleri 2210. Cucurbita maxima,

pumpkin mosaic virus, effects on, primary production 2196. pumpkin mosaic virus infection, transmission (horizontal), Aphis craccivora vectors 1231.

sour cherry necrotic ring spot virus infection 2144. watermelon mosaic virus infection, effects on enzymes activity 9434. Watermann was peo.
Cucurbita peo.
Susceptibility, Fusarium oxysporum f.sp.niveum infection 4010.
Viruses infection, field thais 5018.

Cucurbita pepo, (continued)
watermelon mosaic virus infection, incidence, prophylaxis, economic importance,
Jordan 1317. Cucurbitacese, plant breeding, disease resistance, cucumber mosaic virus infection 3118.

Culex fatigans, larvae, toxicity, histopathology, Bacillus sphaericus 8363.

larvae, toxicity, histopatricity, bacinius syntaericus 6565.

Culex molestus, Bacillus thuringiensis 4712.

Culex piplems, biological control, Bacillus thuringiensis 1008.

biological control, Bacillus thuringiensis 4712.

biological control, Metarrhizium anisopilae, conidia, viability, characterization 7479.

74.79.

larvae, biological control, Bacillus sphaericus 6611.

Metarrhizium anisopiiae, conidia, vability, temperature, relative humidity, effects on, virulence 7478.
pest control, pathogenicity, environmental effects, Bacillus thuringiensis 295. virulence, storage conditions, effects on, Metarhizium anisopiiae, conidia, viability 7480.

Culex pipiens molestus, biological control, Bacillus thuringiensis var.israelensis, pathogens, temperature effects on 2075.

Culex quinquefasciatus, biological control, Bacillus thuringiensis, Bacillus sphaencus, Metarhizium anisopiiae 2836.

biological control, larvicides, factors affecting, Bacillus thuringiensis 8380. pest control, Bacillus sphaericus spores, spore crystals, toxicity 1035. biological control, Bacillus thuringiensis, paddy fields, Oryza sativa 6599. biological control, Lagenidium giganteum, survival, overwintering, paddy fields 6615. Culex tarsalis.

Culicidae

ullicidae, blological control 8380. biological control 8380. biological control 8380. biological control, Bacillus sphaericus mortality 2850. biological control, Bacillus sphaericus, persistence, aquatic environment 1024. biological control, Bacillus thuringiensis, 5-endotoxin 1018. biological control, Bacillus thuringiensis, field trials 1030. biological control, Bacillus thuringiensis subsp.israelensis 6-endotoxin 5553.

biological control, Culicinomyces clavosporus, strains comparison 6591.

bological control, Culicinomyces clavosporus, strains comparison 6591. biological control, Deuteromycetes, pathogenicity, iffe eyo(...) biological control, Deuteromycetes, pathogenicity, iffe eyo(...) biological control, pathogers, fungi 1017. biological control, pathogers, fungi 1017. biological control, use Deuteromycetes, spores culture 1807. histopathology, midgut, toxins, Bacillus sphaencus 1022. larvae, biological control, asociation Bacillus thuringensis subsp.israeliensis plasmids 2842. larvae, biological control, use Bacillus thuringiensis 8-endotoxin, toxicity, stability 254. larvae lethality, association, Bacillus thuringiensis var.israelensis toxins biosynthesis, factors affecting 306. larvicides, pesticide applications, methodology, equipment, Bacillus thuringiensis 9204. pathogenicity, pest control, Bacillus thuringiensis 296. pest control 6599. pest control, biological control, Lagenidium giganteum 1014. pest control, biological control, toxicity, Bacillus thuringiensis 297. Julicinomyces,

ulicinomyces, larvae, biological control, pathogens, fungi 1013.

larvae, biological control, pathogens, tungi 1013.

Cullicinomyces clavosporus,
biological control, Aedes taeniorhynchus 2834.
biological control, Culcidae, strains companson 6591.
biological control, pathogenicity, mortality, Simulium vittatum 9209.
pathogens, biological control, bioassays, Simulium pectipes, Simulium vittatum 7483.

Cultivation.

Basidiomycetes, food industry 2047. Basidiomycetes, fungi infection 2208. Basidiomycetes, pest control 2046.

Claviceps purpurea isolation, Arthraxon lancifolius, association, strains adaption 116.

methodology, Basidiomycetes 2719. mushrooms, cultivation techniques, reviews 5614. mushrooms, technology, species use, USA, reviews 4825. trees, mycorrhizas role, reviews 7780.

trees, mycorrhizas role, reviews 7780.
Triticum, association, aging microorganisms, metabolism interaction 3943, vegetables, fungi, infection, disease control 2209.
Cultivation techniques,
Beta vulgans, root rot, Phizoctonia solani 1279, tomato yellow leaf curl virus, disease spread, Lycopersicon esculentum 1236.
Cultural characteristics, effects on toxins biosynthesis, Salmonella 8519.
Klebsiella pneumoniae, 2,3-butanediol biosynthesis 8370.
Pyricularia oryzae, blast, relationship pathogenicity, Oryza sativa 5699.

ulture, bacteria, freeze-drying, association, contamination analysis methodology 2684, concentration Rhodopseudomonas capsulata, relationship, Rhodopseudomonas palustris nitrogenase bosynthesis 3687.

Deuteromycetes, spores production, biological control, Culicidae 1807.

Entornophthorales, use biological control, insecta 1805.

gram-negative bacteria scale, Prunus saliciana 1153.

Hybhomycetes, use biological control, insecta 1806.

methodology, Calvalia gigantea a-amylase production 2772.

methodology, Calvalia gigantea a-free production 2772.

methodology, Salmonelli siolation, animals food contamination 1088.

methodology, Staphylococcus grup A, anaerobic conditions, infection diagnosis, man 2896.

methylotrophic bacteria, methodology, Japan 4502.

mair 2000. methylotrophic bacteria, methodology, Japan 4502. Mycobacterium leprae, in vitro 1778. pathogens, bottles, methodology 5358. Photobacterium leiognathi, luminescence use control 891.

ure, (continued)
hototrophic bacteria, fermenters 3555.
fleurotus ostreatus+Erwinia carotovora, effects on, nutritive value, Triticum
aestivum, straw, Ruminatua 254.
piroplasma citri, isolation, plants, Circulifer tenellus, Scaphytopius nitridus
1769.
wabs, methodology, Mycobacterium tuberculosis 869.
jine, bacteria, methodology 5387.
easts, effects on alcoholic beverages food quality 1050.
fluter collections.

Basts, effects on alcoholic beverages food quality 1050. ture collections, propuler applications, data processing, computer programs 5391. ingl, storage, nitrogen (liquid) 4540. litroorganisms, storage, preservation 5363. tirogen (liquid) storage, Diplocarpon rosee conidia 3629. forage Erwinds cardiovora, culture collections, pathogenicity 2239, iruses, Mycoplasma contamination, fluorescent probes detection 6293.

ture systems,
ffects on Aeromonas hydrophila proteinase production 2805.
ffects on Trichoderma viride cellulolytic enzymes biosynthesis 1925.
ram-negative bactena, L-methionine y-lyase production 5389.
lastics, microwave radiation sterilization, bacteria 708.

lastics, microwave radiation sterilization, bacteria 70s.

lastics, microwave radiation sterilization, bacteria 70s.

lute tanks.

lute Syanophytis.

Association, deep water Oryza sativa, nitrogen fixation, Philippines 2358.

Association, deep water Oryza sativa, nitrogen fixation, Philippines 2358.

Association, deep water Oryza sativa, nitrogen fixation, Philippines 2358.

Association, deep water Oryza sativa, nitrogen fixation, Philippines 2358.

Association, deep water Oryza sativa, nitrogen fixation, Philippines 2358.

Association, deep water Oryza sativa, nitrogen fixation, Philippines 2358.

Association, deep water Oryza sativa, nitrogen fixation, Philippines 2358.

Association, deep water Oryza sativa, nitrogen fixation, Philippines 2358.

Association, deep water Oryza sativa, nitrogen fixation, Philippines 2358.

Association, deep water Oryza sativa, nitrogen fixation, Philippines 2358.

Association, deep water Oryza sativa, nitrogen fixation, Philippines 2358.

Association, deep water Oryza sativa, nitrogen fixation, Philippines 2358.

Association, deep water Oryza sativa, nitrogen fixation, Philippines 2358.

Association, deep water Oryza sativa, nitrogen fixation, Philippines 2358.

Association, deep water Oryza sativa, nitrogen fixation, Philippines 2358.

Association, deep water Oryza sativa, nitrogen fixation, Philippines 2358.

Association, deep water Oryza sativa, nitrogen fixation, Philippines 2358.

Association, deep water Oryza sativa, nitrogen fixation, Philippines 2358.

Association, deep water Oryza sativa, nitrogen fixation, Philippines 2358.

Association, deep water Oryza sativa, Nitrogen fixation, Philippines 2358.

Association, deep water Oryza sativa, Nitrogen fixation, Philippines 2358.

Association, deep water Oryza sativa, Nitrogen fixation, Philippines 2358.

Association, deep water Oryza sativa, Nitrogen fixation, Philippines 2358.

Association, deep water Oryza sativa, Nitrogen fixation, Philippines 2358.

Association, deep water Oryza sativa, Nitrogen fixation, Philippines 2358.

Association, deep water Oryza sativa, Nitrogen fixation, Philippines 2358.

Association, deep water Oryza sativa, Nitrogen fixation, 2391

6640

vigoroarbons, aromatic compounds, biodegradation 3263.

Aphthalene biodegradation, stereospecificity 7019.

Aphthalene biodegradation 11-descorpecificity 7019.

Aphthalen

acron, oil amendment, effects on soil microorganisms, fungi 2379.

oil amendment, effects on soil microorganisms, fungi 2379.
curbita,
usceptibility, Fusarium oxysporum f.sp.niveum, infection 4010.
curbita pepo,
emplasm, disease resistance, vegetable marrow mosaic virus 3116.
ed products,
ed products,
instal, potassium sorbate inhibition Clostridium botulinum growth 3857.
fittle, control, Clostridium botulinum, reviews 4821.

neaf, potassium sorbate inhibition Clostridium botulinum growth 3857.
tritte, control, Clostridium botulinum, reviews 4821.

Ing.
headar cheese, survival, Campylobacter fetus subsp. fetus 2032.

am, freeze-thawing effects on food contamination, bacteria levels 182.

am, smoking, contamination, growth, yeasts, fungi, bacteria 180.

100acta-tum,
2-2 toxin, biosynthesis, metabolism, pathway 8520.

101aria,

101aria

cuta,
le, greening disease transmission, Citrus sinensis, Vinca rosea 9448.
le, greening disease transmission, Citrus sinensis, Vinca rosea 9448.
lecta campestria,
rassiism, disease transmission, grapevine fleck virus, grapevine yellow vein
virus, grapevine leaf roll virus, Vitis vinifera 6794.
lecta reflexs,
tracts, antiviral activity 6072.

n, odegradation, soil microorganisms 5931.

nase,
tvitvity, Colletotrichum gloeosporiordes, anthracnose, Carica papaya, pesticides (organophosphorus), effects on 8563.

Cutinase, (continued)
fung, 8241.
Fusarium solani f.sp.pisi, inhibition, benomyl 1414.
Fusarium solani f.sp.pisi, penetration, pesticides (organophosphorus) inhibition,
Pisum saltivum 2279.
Fusarium analyticidaether, Pisum saltivum protection, association,

inhibition, Fusarium solani infection, Pisum sativum protection, association, organophosphorus 500

Cuttings,
Catharanthus roseus, rooting, mycoplasma-like organisms infection 1310.
Cyamopsis tetragonolba,
Fusarium solani root rot 5676.

Fusarum solani root rot 5676.
Cyanide,
biosynthesis, Pseudomonas fluorescens, Pseudomonas aeruginosa, aquatic
environment, in vtro 6606
deloxification, cyanide hydratase, immobilized cells, fungi 9982.
metabolism, B-cyanolaninine biosynthesis, radioactive labelling,
Chromobacterium violaceum 2748.
production, cell-free system, Chromobacterium violaceum 1043.
Urate oxidase inhibition, mechanisms, Candida utilis 945.

Urate oxidase inhibition, mechanisms, Candida utilis 945.

Cyande hydratase,
cyanide detoxification, immobilized cells, fungi 9982.

P-Cyanoalanine,
biosynthesis, cyanide metabolism, radioactive labelling, Chromobacterium
violaceum 2748.

Cyanocobalamin,
biosynthesis, Propionibacterium, 5.6-dimethylbenzimidazole effects on 8388.
production, Propionibacterium shermanii, use, limes processing industrial wastes

production, Propionibacterium freudenreichii subsp.shermanii, soybean milk whey carbon sources 5565.

serum levels, man, Lactobacıllus leichmannii use, bioassays 885. Cyanogenesis,

Cyanogenesis, fungi, assays, Pseudomonas contamination, hydrogen cyanide 3556. Cyanophyta,

activation, association, intestinal microflora mutagens, rats, genetic analysis 4510.

Cyclamen graecum, disease control, grey mold, Botrytis cinerea, iprodione, procymidone, vinclozolin

disease control, grey mold, Botrytis cinerea, iprodione, procymidone, vinclozolin 1424.

Cyclic AMP,
binding, kinetics, protein kinase, Mucor rouxii 6469.
effects on enzymes, Klebsiella pneumoniae 1938.
growth, relationship, plviosin, biosynthesis, Streptomyces fradiae, mutants 4398.
levels, cellulase production, catabolite repression, Thermonospora curvata 9179.
+poly(l)-poly(l)-poly(C) expectic GMP, activation, defense mechanisms, Nicotiana glutinosa glycoproteins, viruses infection 3136.
Staphylococcus simulans, effects on extracellular enzymes biosynthesis 2792.
stimulation protein kinase phosphorylation fructose-bisphosphatase, yeasts 8283.
Cyclic GMP+ poly(l)-poly(C), activation, defense mechanisms, Nicotiana glutinosa glycoproteins, viruses infection 3136.

Cyclic peptides.

1:5-Cyclic-nucleotide phosphodlesterase, inhibitors, Bacillus subtilis, physicochemical properties 7176.
isoenzymes, purification, characterization, Dictyoselium discoideum 6452.
purification, characterization, Dictyoselium discoideum 6452.
purification, characterization, Presinia pestis 971.
3:5-Cyclic-nucleotide phosphodlesterase inhibitor,
Bacillus subtilis, activity mechanisms 7305.
Bacillus subtilis, sidvity mechanisms 7305.
Bacillus subtilis, sidviton, amino acid sequence, lactones linkage localization 7304.

7304 7304.

Bacillus subtilis, isolation, fatty acid composition 7303.

Cyclindrocladium crotalariae, infection, Arachis hypogaea, germplasm disease resistance 474.

Cycloheptanone, biodegradation, Nocardia 2014.

3-Cyclohexencarboxylic acid.,

Alcaligenes (acadis, biodegradation 1053.

Cyclohexenones, reduction, Beauveria sulfurescens 130.

reduction, Beauvette suntressors to Cyclohaximide, antifungal activity, in vitro, Phytophthora palmivora 5824, assays, termentation monitoring 9827, effects on ethylene production, soil microorganisms 5907, use, cell culture, Mycobacterium lepraemurium 9034.

Cyclopaldic acid, antimicrobial activity, Aspergillus duricaulis 8877.

rirla Unnata var.aeria,
sensitivity testing 7939.

Cyclopentenones,
reduction, Beauveria sulfurescens 130.
Se control, Peronospora parasitica, downy mildew, Brassica pekinensis 8631.
Cyclopentyl rifamycln,
antimicrobacterial activity, Mycobacterium 2419.

antimycobacterial activity. Mycobacterium 2419.
Cyclophosphan,
cytotoxicity, Escherichia coli morphology 2444.
Cyclopiazonic acid,
biosynthesis, Aspergillus flavus, association chickens feeds contamination 8512.
Cyclopolic acid,
derwatives, antimicrobial activity, Aspergillus duricaulis 8877.
Cycloprodigiosin,
Beneckea gazogenes, structure 8377.
Cyclopropar fatty-acid synthetase,
purification, characterization, Escherichia coli 8218.
Cycloprograp fatty-acid synthetase,

Cycloserine, bactericidal activity, autolysins deficient mutant, Bacillus subtilis 4331.

Cytochalasins,
Arthrobacter sialophilus, effects on glucose uptake 1553.
Cytochrome c',
subunit association, N.M.R., ultracentrifugation, light scattering,
Rhodospirillum rubrum 7296. Cycloserine, (continued)
effects on Staphylococcus aureus cell walls phospholipids content 3380. effects on Staphylococcus aureus cell walls phospholipids (Cyclosporin A, Tolypocladium inflatum, biosynthesis, pathways 8343. Cyclosporin, biosynthesis, characterization, Tolypocladium inflatum 132. biosynthesis, Characterization, Tolypocladium inflatum 132. biosynthesis, Trichoderma 7992. Cytochrome b, characterization, Escherichia coli 3658. constation, assistant a consolution, saccharomyces cerevisiae 7291, isolation, characterization, ubiquinol-cytochrome c reductase, Rhodopseudomonas biological control, baculovirus 998. sphaeroides 4564.
physicochemical properties, ubiquinol-cytochrome c reductase, Rhodopseudomona Cydia pomonella, baculovirus, biological control 997 baculovirus, biological control 997.
biological control, persistence, baculovirus 1005.
fruit trees, biological control, granulosis virus 8353.
granulosis virus biological control 8356.
granulosis virus biological control, association, nuclear polyhedrosis virus biological control, association, nuclear polyhedrosis virus biological control Advoxophyes orana 8354.
granulosis virus biologicai control, field trials 8357. sphaeroides 4692 Cytochrome c, ytochrome c, bunding sites, reaction centers, cross-linking dithiobisipropionimidate, dimethyl suberimidate, Rhodospseudomonas sphaeroides 3651. characterization, Escherichia coli 3658 folding kinetics, structure intermediates, absorption spectroscopy, fluorescence, Saccharomyces cerevisiae 4559. heme iron coordination geometry, N.M.R., Saccharomyces cerevisiae, Candida krusi 3643. granulosis virus biological control, lieu diels 5507.

Cylindrocarpon,
invasion, Infolium repens 5692.

Cylindrocarpon destructans,
biosynthesis, auxins, glibberellins like compounds, pathogenicity, Abies alba
4174. 3643 iodoacetamide chemical modification, folding kinetics, fluorescence, loddaetamilae rdemilica imolimatori, rolong kinetus, nudesusence, structure-activity multiple forms, purification, characterization, Nitrosomonas europaea 5479, purification, characterization, cell membranes, Rhodopseudomonas capsulata 483' Ustilago violacea, purification, amino acid composition 2736. Cytochrome c oxidase, Nitrosomonas europaea, purification, characterization 6524. purification, characterization, membranes, Rhodopseudomonas capsulata 6504. 4174.
cytokinins, role pathogenicity, Abies alba 5881.
infection, Pseudotsuga menziesii roots, incidence 4162.
Cylindrocarpon didynum,
dieback+canker, Fihizosphora, Gambia 1454.
Cylindrocarpon gracile,
infection, Medicago sativa, relationship sulfur deficiency 7658.
Cylindrocarpon heteroneme,
bark necrosis, Platanus 6920.
Cylindrocladium,
isolation, trees roots, stems, madia (salactiva) 5352. Cytochrome c-551, purification, characterization, cell membranes, Pseudomonas aeruginosa 1828. Cytochrome c-555, purification, characterization, cell membranes, Pseudomonas aeruginosa 1828. Cytochrome c1, cytochrome b complex, ferricyanide reduction, Saccharomyces cerevisiae 7291. isolation, trees roots, stems, media (selective) 6352.

Cylindrocladium crotalarles, black rot, soil inoculum, spatial distribution, epidemiology, Arachis hypogaea Cytochrome c2, purification, thylakoids, Rhodopseudomonas viridis 6392.

Cytochrome c3, purification, tertiary structure, electrochemistry, polarography, Desulfovibrio 1123.
root rot, pathology, Glycine max, Meloidogyne incognita, growth regulators, effects on 3903.

Cyllindrociadium heptaseptatum, post-harvest decay, pathogenicity, symptoms, Rumohra adiantiformis 1326.

Cylindrociadium macrosporum, needie bight, binus, pathogenesis, disease control 7782.

Cylindrociadium petridis.

Cylindrociadium petridis. nurification, tertiary structure, electrochemistry, polarography, Desulfovibrio 8192

Cytochrome C3 hydrogenase, activity, Desulphovibrio desulphuncans, immobilized cells, beads 4666.

Cytochrome c551, isolation, purification, characterization, Chromatium vinosum 4555. multiple forms, heme iron coordination geometry, N.M.R., Rhodopseudomonas gelatinosa 3653. purification, carbon monoxide binding kinetics, Pseudomonas aeruginosa 4556. redox properties, optical properties, Desulfovibrio desulfuricans 6546. Cytochrome c553, redox properties, optical properties, Desulfovibrio desulfuricans 6546. Cytochrome oxidase, Pseudomonas aeruginosa, N.M.R., magnetic susceptibility 2777. purification, Pseudomonas aeruginosa, N.M.R., magnetic susceptibility 2777. purification, Pseudomonas aeruginosa, 4614. Cytochrome P-450, amino acid sequence, secondary structure, Pseudomonas putida 6491. purification, characterization, microsomes, Candida tropicalis 2750. purification, characterization, microsomes, Candida tropicalis 2750. purification, characterization, microsomes, Candida tropicalis 2750. Saccharomyces cerevisiae, inhibition, buthhobate role 9488.

Cytochrome P450, Saccharomyces cerevisiae, immobilization 1927.

Cytochrome P450, Saccharomyces cerevisiae, immobilization 1927.

Cytochrome P450, Saccharomyces cerevisiae, continuous culture 1930.

Cytofluorometry, Allium, Botryls allii, infection 3975.

Cytochromes passed p 8192. Cylindrocladium ptentilis, post-harvest decay, pathogenicity, symptoms, Rumohra adiantiformis 1326.
Cylindrocladium scoparium, diseases, forests trees, Malaysia 2316.
Cylindrocladium, plant diseases, Eucalyptus, pathology 4178.
Cylindrocopturus adaperaus, role, charcoal rot disease transmission, Helianthus annuus 9444.
Cymbiddium. rote, charcoar rot disease transmissary, minimum, combidium, mycorrhizas symbiosis, greenhouses 9562.

Cymbidium ringapot virus, cytopathology, Gomphrena globosa 4018.

cytopathology, Nicotiana benthemiana, Nicotiana clevelandii, Gomphrena globosa 4018. infection, Nicotiana clevelandii, effects on, peroxisomes, vesicles, formation August National Companies of the Compani 4027. Allium, Botyus auin, intercon abscissic acid biosynthesis 5531.
Cytokinins,
Cercospora rosicola, inhibition abscissic acid biosynthesis 5531.
Cylindrocarpon destructans, role pathogenicity, Abies alba 5881.
levels, grain, Triticum aestivum, Hordeum vulgare, relationship, disease resistance, mildew. Eryspihe grammis 2249.
levels, Rhizobium leguminosarum, nodules, Pisum sativum 5120.
mushrooms, food spoilage, y radiation, storage effects on 3816. 8677.
symbiosis, Azotobacter chroococcum 5948.
Cyphomandra betaces,
infection, potato acuba mosaic virus, isolation, physicochemical properties 393.
wit disease resistance 1384.
L-Cysteic acid,
detection, cells urlace, Staphylococcus aureus 1834.
Cysteine,
antibacterial activity, Streptococcus 3319.
biodegradation, anserobic bacteria 2900.
D-Cysteine,
biosynthesis, use 3-chloro-D-alainine chloride-lyase, Pseudomonas putida 4557.
enzymatic synthesis, 3-chloro-D-alainine metabolism, Pseudomonas putida 4561.
Pseudomonas putida, biosynthesis 8204.
Cysteine desulphohydrase,
sand, activity, correlation, vegetation, British Isles 6955.
Cysteine doxygenase,
purification, characterization, Histoplasma capsulatum 2811.
Cyste (1900-1906). Cytology,
rhabdovirus infection, Lactuca sativa 1234.
viruses infection, crops 2164.
wheat mosaic virus infection, Triticum aestivum, Panicum miliacerum 2117. viriuses intection, crosps.cross.
wheat mosaic virus infection, Triticum aestivum, Panicum millacerum ≥117.
Cyfolyals,
Escherichia coli, antibacterial activity, mecillinam+nocardicin A 2555.
yeasts, soil microorganisms 581.
Cyfomsgalovirus,
antivirul activity, nucleosides analogs 9687.
antivirul activity, 9.(2-hydroxyethoxymethyl)guanine, interferon 8796.
breast milk, storage effects on 1079.
DNA biosynthesis, antivirul agents activity, measurement, nucleic acids hybridization analysis 8798.
immunoglobulin G detection, immunoassays 5375.
infected, embryo fibroblasts, novobiocin, inhibition, replication 2489.
infection, immunoglobulin A serum levels, immunoperoxidase test, man 6296.
isolation, methodology, cell culture 9844.
Cyfomsgalovirus (human),
antiviral agents, trifluorothymidine 3347.
DNA biosynthesis, protein biosynthesis, antiviral activity,
9-(1,3-dihydroxy-2-propoxymethyl)guanine, cell culture 9689.
Cyfomsgalovirus (nurine),
antiviral activity, phenylheptatriyne 7097.
Cyfopsthology,
hours, leaf mill-virus, association, Phaseolus vulgaris black line 339. Cystic fibrosis, man, Pseudomonas aeruginosa isolation, acetamide 9904 man, Pseudomonas aeruginosa isolation, acetamide 9904.

Cystospora,
infection, trees, wind barriers, distribution 4175.

Cystostereum pini-canadense,
USA mines forest products biodegradation 7792.

Cytidine 5'-diphosphate choline,
fermentation, ATP, regeneration, Hansenula jadinii 1960.

Cytidine deaminase,
pyrimidine nucleoside phosphorus analogs inhibition, Escherichia coli 69.

Cytochalasin E,
Assperillius relayatius legislation, characterization 5702.

antuviral activity, pnenyineptatriyne 7097.

Cytopathology,
cherry leaf roll virus, association, Phaseolus vulgaris black line 339.

viruses leafroll, Vitis vinifera 429.

Viruses learroii, vitus virilleta «cs. Cytophaga, Nacylaminosulfonates, purification methodology 4509. mutualism, Zoogloea, activated sludge 3463. Cytophaga arvenaicola sp.nov., succinciplycans decomposition 4764. Cytoplasm, Mycobacterium bovis, extracts, characterization, antitumor activity 7450.

110

Aspergillus davatus, isolation, characterization 6702.
Cytochalasin K,
Aspergillus davatus, isolation, characterization 6702.
Cytochalasin M,
Chalara microspora, structure, X-ray crystallography 1959.

plasmic male sterility,
hnisetum americanum, plant breeding, susceptibility, downy mildew. Scierospora
raminicola 5807
plasmic membranes,
shol dehydrogenase (acceptor), purification, characterization, acetic acid
vactena, 4647
orobium limicola f.sp. thiosulfatophilum, lipids, characterization 6589,
pherichia coli, alkyl dimethylbenzyl ammonium chloride effects on 5184,
pherichia coli, damage, polyhexamethylene biguanides structure-activity
elationships, antibacterial activity 7063,
ructose 5-dehydrogenase, purification, characterization, Gluconobacter oxydans
subsp. industrius 4605.

cose dehydrogenase, purification, characterization, Pseudomonas fluorescens 4604.

1604.

cose dehydrogenase, reduction ubiquinone, phospholipids, Triton X:100 lctivation, Pseudomonas fluorescens 955. dittel dehydrogenase, purification, characterization, Gluconobacter oxydans subsp. suboxydans 4603. opulconate dehydrogenase, purification, characterization, Gluconobacter oxydans subsp. melanogenes 4609. activation of the process of

eticofrontas coparios eine, degradation, soil 5890. eine deaminase, filication, characterization, Salmonella typhimunum 2758.

legitatatori, soil assessible de de minase, soil assessible de deminase, soil, sists, isolation methodology 8170. soil, sists, isolation methodology 8170. soon position, leaf litter. Abies alba 2301. spora abiettis, locar Abies concolor, temperature effects on 4157. batck, branches. Arceuthobium abietinum parasitism, Abies magnifica 5863. spora chrysospera, metanter, histopathology, Populus maximowiczii 9520. spora kunzel, kiner, Picuna cerasifera, Nematoda effects on pathogenesis 1212. startic agents, uncellustriani de legitatori de legitato

ylis glomerats, fspot, Stagonospora arenaria, pathogenesis, visual perception, man 3101. t, disease resistance, screening, phenotypes, genotypes 6856. m rust, Puccinia graminis I.sp. dactylidis, genetic analysis 357

t, disease resistance, screening, phenotypes, genotypes 6856.
m nust. Puccinia graminis f.sp. dactylidis, genetic analysis 357
yllum dendroidea, actose oxidase, purification, characterization 4607.
celia, protoplasts release, culture systems 9074.
ylosporanglium thellandense,
N-formylsisomicin biosynthesis, isolation, characterization 4415.
alea quercina,
cition, Cuercus 3176.
es,
rage, milk, contamination, bactena, growth 4832.
stewater treatment, capacity, milk 1701.
industry,
ta exchange cleaning systems, bacteria contamination 4784.
ustrial effluents, Wastewater treatment, bibliographies 1695.
k storage, psychrotrophic bacteria growth 9273.
psychotrotrophic bacteria growth 9273.
rier cultures, storage 2033.
psychococus protoplasts formation, mutanolysin treatment 5414.
products,
toxin M, food contamination, cattle 2938.
pergillus aflatoxin M1 detection, high-performance liquid chromatography 7614.
products,
toxin M, food contamination, coliforms, fecal coliforms 9276.
decatem infectious diseases, man 9275.
feria, fermentation efects on, ethanol, volatiles acids 4853.
dobacterium, counting methods 175.
fectionery, food contamination, coliforms, recovery 4817.
de contamination, Eschericha coli, coliforms, recovery 4817.
de dontamination, psychrotrophic bacteria, reviews 226.
lenee control, microorganisms food contamination 4846.
cator species 5670.
tobaccillus acidophilus, health, man 4836.
chrotrophic bacteria, heat resistance, incidence, identification 4814.

tobacillus acidophilus, health, man 4836. chrotrophic bacteria, healt resistance, incidence, identification 4814.

on, zation, bacteria, association dehalogenase biosynthesis 6560.

zation, bacteria, association dehalogenase biosynthesis 6560, hing-off, cine max, relationship, Pythium ultimum inoculum density 348, grated control, herbicides, nematicides, crop rotation, soil fumigation, iucumis sativus 9473. Interest seedlings, Pythium infection, greenhouses 1265. judotsuga menziesii, Fusarium oxysporum, transmission (seed) 4149. hium aphandermatum, Brassica seedlings, new records, Singapore 1259. hium ultimum, inhibition, Agrobacterium radiobacter Polysacchandes seed eatments, Bota vulgaris 7710. zoctonia bataticola, disease resistance, seedlings exudates, Cicer arietinum 755. zoctonia bedding plants, isolates characterization 2194.

zoctonia, bedding plants, isolates characterization 2194.

Damping-off, (continued)

Rhizoctonia solan, biological control, in vitro, Trichoderma harzianum 2854.

Rhizoctonia solani, herbicides effects on, Vigna unguiculata 9482, seed treatments, fungicides, Gossypium 1432.

Dandellon latent virus,

purification, characterization, Taraxacum officinale isolates, plants infection 416 Dephnia magna, cell-free system, cytolytic activity, Escherichia coli 5170 Dapsone,

Mycobacterium, drug sensitivity testing 2467.

effects on cucumber mosaic virus infectivity. Pisum sativum 7655.

Darluca filum,
hyperparasitism, Chrysomyxa abietis, infection. Picea abies 7781.

Dasheen mosaic virus, transmission (mechanical), Richardia africana, Araceae 9420.

Data processing,

computers, fermenters 9004.
culture collections, computer applications, computer programs 5391.

Dating methods,
bactens, fungi, Shroud of Turin 2645.

Datura Innoxia,

infection, Hungarian Datura innoxia mosaic virus, cytology 3077.

Datura metel.

plant extracts, antiviral activity, gomphrena virus, sunnhemp rosette virus, foliar application, Gomphrena globosa, Crotalaria juncea 7771. tonato mosaic virus infectivity, herbicides effects on 7702. Datura stramonium,

potato virus X infection, RNA polymerase (RNA-dependent) activity 9374, root rot, Verticillium dahliae, soil acidification inhibition 6837.

Deucus carots,
blight, disease control, fungicides, foliar applications, spraying equipment
9484.

548.

7001s, phytoalexins, antimicrobial activity, bacteria, fungi 5057.

stunt, methyl bromide fumigation induction, endomycorhizas role growth 5913. tssue culture, Agrobacterium tumetacens binding, crown gall 2977.

wound healing, Cladosporium cladosponoides, fulcanndiol, 6-methoxymellein, antifuringal activity 4078.

Daunomycln,
antitumor activity, antimicrobial activity, ascorbic acid, dimethyl sulfoxide, effects on 8033.

reduction, NADH dehydrogenase catalysis, Vibrio harveyi 4633.

transformation, antibiotic synergism, antibacterial activity, Streptomyces erythichromogenes sp.nov. 675.

Daunorublicin,
antibicaterial activity, structure-activity relationships, Bacillus subtilis, Escherichia coli, Proteus mirabilis 4404.

Dazomet,
Fragaria vesca red core disease control, agricultural practices association 1415.
Prinus, leaf litter, effects on soil microorganisms 3250.
25-Deacetoxy-25-epi-hydroxyrifamycin S,
synthesis, structure 8861
Deacetoxycephaloaporin C,
production, isolation, Flavobacterium, Xanthomonas 1609.

DEAE,

DEAE,
adjuvants, foot-and-mouth disease virus vaccines, immune response, pigs 2600.
1-Deaminogentamicin C2,
synthesis, artibacterial activity 6158.
Debaryomycee coudertif,
pyruvie acid biosynthesis, Citrus extracts fermentation 1822.

pyruvicació proyimiesis, Guide extracto remetados. Poblica de proyimiesis, Guide extractor esta poblica de proyimiesis, Guidelino, purification, characterization 6516. Decamethrir, disease control. Nephotettix virescens, vectors, rice tungro virus 6847. disease control. Rhizoctoma solani, Glycine max 8625.

Decarboxylation, cinnamic acid, Saccharomyces cerevisiae 1989.

association Inonotus dryophilus white rot, Quercus alba, Quercus macrocarpa 5880. Bjerkandera adusta, association frost damage. Quercus rubra, Quercus robur 6921. leaf litter, microorganisms succession, polar environments, lakes 1061. minerals soil 3164. Phellinus pini.

Phellinus pini, Prinus palustris, brown rot fungi detection, fluorescence microscopy 4047. wood, association, Tsuga heterophylla, ectomycorrhizas symbiosis, relationship, survival 3164. wood, bacteria, nutrient requirements 3782. wood, fluori, ecosystem dynamics, forests 8646. wood, Civi Tatios, Picea sitchensis, Tsuga heterophylla, forests 527. wood, Poria placenta, Gloeophyllum trabeum, pick test assays 4182. wood, Poria placenta, indicators, compression pressure tolerance, Pseudotsuga menziesii 6935.

wood, role melanins, Phellinus weirii 6933. wood, sap rot, heart rot, oxygen, carbon dioxide effects on 5084. Xylaria oxyacanthae, Crataegus monogyna fruits 1057.

wood, sap rot, reart rot, oxygaent, cathorn funder election of 1998. Xylaria oxygacanthae, Crataegus monogyna fruits 1057.

Decay fungl,
Abies balsamea, factors affecting disease resistance 8648.
Basidiomycetes, Quercus robur, ecological distribution 4158.
chemotropism, association, wood volatiles 3765.
post-harvest decay, Hevea brasiliensis cellulose, lignins, Malaysia 7791.

Declinaria activity, gram-positive bacteria 6220.
sugars componentis, structure 6221.

Decline,
Ceratocystis fagacearum, Quercus virginiana, carbohydrate analysis 1456.
ceratocystis fagacearum, Quercus virginiana, carbohydrate analysis 1456.
ceratocystis fagacearum, Quercus virginiana, carbohydrate analysis 1456.
etiology, rhuzosphere microorganisms - phytotoxins - pesticides. Zea mays 367.
pathology, etiology, Pryrus communis 3024.
tomator ingspot virus, Malus domestica, Xiphinema vectors 4978.
Vetricicaldella procera, Pirus strobus, Pirus esimosa, Pirus nigra, USA,
Minnesota 5077

Decomposition,
acetic acid, soil microorganisms, N.M.R. 8644.
Basidiomycetes, ecology, conferences books 8187.
cellulose, cellulolytic microorganisms 2879.

fungi, leaf litter, Abies alba 2301

Decomposition, (continued) crop residues, Medicago litroralis, soil microorganisms, nitrogen sources, uptake, triticum aestivum 7001.

tung, branches litter, size distribution, forest floor 8647.
fungi, carbon dioxide gas production, gas chromatography, wood, Fagus sylvatica

rial wastes, soil microorganisms, pharmaceuticals, land disposal, reviews 5984

leaching, plant debris, Trifolium, soil microorganisms 566. leaf litter, forest floor, Basidiomycetes 1444 leaf litter, forest floor, fertilizer applications effects on, Tsuga heterophylla

leaf litter, forest floor, fertilizer applications effects on. Tsuga heterophylla 6837.

leaf litter, forests, measuring techniques, eucalyptus 1447.
leaf litter, forests, measuring techniques, eucalyptus 1447.
leaf litter, nitrogen balance, nutrient dynamics, Pinus sylvestris 3161.
leaf litter, nitrogen cycle, forests 528.
leaf litter, nitrogen cycle, forests 528.
leaf litter, nitrogen cycle, plantations, Theobroma cacao 3219.
leaf litter, nutrient dynamics, forests, Pinus silvestris, Sweden 2300.
leaf litter, nutrient dynamics, meralization, forests 2294.
leaf litter, organic matter, Pinus silvestris 2294.
leaf litter, organic matter, Pinus silvestris 2294.
leaf litter, population levels, soll microorganisms, analytical techniques 2351.
leaf litter, soll microorganisms, nutrient availability, sulfur, acid rain, pollution effects \$507.
pollution effects \$507.
pollution effects \$507.
leaf litter, load incroorganisms, forests, Epeua falcata 1439.
lignin, humic acids, melanin, soll microorganisms, USA, lilinois 6890.
litter, forests, role, fecal microfrora, Clerknoomys 1449.
nutrient loss, soil microorganisms, measuring techniques, microcosms 571.
organic matter, soil microorganisms, crop residues 2325.
organic matter, soil microo

organic matter, soil microorganisms, tropical environment 4186.

Phalans aquatica, soil microorganisms, phosphorus macromolecules levels 573.
plant debris, organic matter formation, soil 1491.

polysaccharides, organic matter, soil microorganisms 1474.

Pseudotsuga menziesii, nutrient dynamics, nitroogen fixing bacteria, nitrogen lixation 516.

inxauori 516. sewage sludge, land disposal, salinity effects on 8955. soii chemistry mineralization, soil properties, soil microorganisms 574. soii, mathematical models, books 5448. soil microorganisms, Acer rubrum leaf litter, flooding, nutrient dynamics 4194. soil microorganisms, crop residues, food processing solid wastes, land disposal, reviews 5981.

soil microorganisms, crop residues, food processing solid wastes, land disposal, soil microorganisms, solid wastes, land disposal, environganisms, solid wastes, land disposal, environganisms, solid wastes, land disposal, environganisms, solid wastes, land disposal, solid microorganisms, respiration. C/N ratios 6966.

wood, bacteria, streams sediments 2885.

Pecchamination,
activated sludge, role, lysis bacteria, USSR 8062.
gastrointestinal tract anaerobic bacteria, use, antibiotics, man, in vitro 8812.
iaboratories, paraformaldehyde, Legionella pneumophila, survival 2459.
Salmonella sentfenberg, com soybean milk, use, microwave radiation 3839.
sodium hypochlorite, skin tissue culture. Staphylococcus aureus, Pseudomonas aeruginosa, Candida albicians 8092.

Dedesosaminyl-5-0-mycaminosyl-10,11-dihydromycinamicin, biosynthesis, Micromonospora, characterization 2580.

Desp water,
Oryza sativa. Oyanophyta association, nitrogen fixation, Philippines 2358.

Defective mutant,
biodegradation, serine, production, Sarcina albida 6382.

Claviceps purpurea, ergot alkiaoloi biosynthesis 7506.
Coagulase biosynthesis, Saccharomyces cerevisiae, relationship sterois

Defense mechaniams,
Avena sativa leaves, Pyrenophora teres infection 1356.

disease resistance, plant diseases, reviews 1336.

Hordeum vulgare, powdery mildew. Erysiphe graminis f.sp. hordei 6838.

Lycopersicon esculentum, enzymes, wit. Verticilium albo-atrum 4077.

Nicotiana qlutnosa glycoprotems, viruses infection, poly(l)-poly(C)+cyclic AMP+cyclic GMP, activation 3136.

Nicotiana tabacum, glycoprotems, agglutnation, Phytophthora parasitica, Pseudomonas solianacearum 1351.

Phaseolus vulgaris, phytoalexins, antibacterial activity, Xanthomonas campestris py-phaseoli 1383.

Phaseolus vulgaris, phytoalexins, antibacterial activity. Xanthomonas campestris pv.phaseoli 1383.

pv.Phaseour 1363.

Phaseolus vulgaris, phytoalexins induction, infection, Uromyces phaseoli 1352.

Pisum sativum, leaves endopolygalacturonase inhibitor, induction, Ascochyta pisi infection 1350.

Triticum aestivum, leaves, lignin induction, Botrytis cinerea infection 1368.

Defense secretions.

akuranetin, antifungal activity, Botrytis cinerea, Ribes nigrum 1379.

Deficient mutant, autolysins, Bacillus subtilis, cycloserine bactericidal activity 4331. gramicidin S, Bacillus brevis, phenylalanıne metabolism transfer, gramicidin S

synthetase activity 8207.

symmetase activity ozur melanins, gene mapping, complementation genetic analysis, association Gossypium witi, Veritcillium dahitae 6796. UDPgalactose 4-epimerase, Salmonella anatum, antigen O polysaccharides UDsynthesis, synthetic galactosyl ficaprenyl diphosphate intermediates 7440. Defoliation,

Gossypium, relationship, Verticillium dahliae inoculum quantitation 9390. Larix, association fungi, Adejoe grazing 540. plants, host range, tobacco mosaic virus 4024. Stophostyles helvola, effects on irrogenthin todoin introgenase activity, Hhzobium leguminosarum, or prowth, nodion 5127.

Degradation,

issociation, organic compounds+methanol loading, bioreactors, anaerobic

Degradation, (continu

conditions 1840

2,4-D, carbon dioxide, formation, mineralization, bacteria, soil 5909.

phosphatdyl choline, soil microorganisms, enzymatic activity, nutnent sources, plants 9915.

starch, association ethanol production 1051.

Starch, association entailor production 1651.

Dehalogenase,
biosynthesis, association, dalapon utilization, bacteria 6560.

Pseudomonas putida, xenobiotics biodegradation 2884.

Dehalogenation, chlorobenzoates, bacteria 4749. haloaliphatic organic compounds, bacteria, methanogenesis 5290. halogenated aromatic compounds, lakes, sediments, bacteria 6648.

Dehydration,

Denydration, agar, media, incubation 819, potato virus A, preservation, infectivity 2653. Saccharomyces cerevisuae, fatty acid composition, relationship, viability 1839. 3,12-Dehydro-3-deoxylactarorufin A, Lactarus necator, isolation, structure 112. Lactarus necator, isolation, structure 977.

Denytrogenase, active sites, mycotoxins binding, Saccharomyces cerevisiae 7625. activity, thermophilic microorganisms, soil moisture, soil characteristics, plant communities, deserts 9559. Dekkera intermedia, 610-9-(ucosidase purification, characterization 5513.

G-D-glucosidase purification, characterization 5513.

Deletion mutant,
Escherichia coli, adenylate cyclase, transduction methodology 5401.

Deltamethrin,
effects on Acyrthosiphon pisum, feeding behavior, potato leaf roll virus, disease transmission 8526.

+ nuclear polyhedrosis virus, synergism, biological control, Mamestra brassicae,
Spodoptera littoralis 9208.

Deltocephalus flavicosta,
disease transmission, Mycoplasma-like organisms, phyllody, Catharanthus roseus

7694
vctors, yellows, mycoplasma-like organisms, disease transmission, Cocos 1210.

Demetiaceae, antifungal agents 7929.

Demethocyrapamycin,
antifungal activity, antifungal agents 7929.

Z-Demethocyrapamycin,
antifungal activity 6209.

Z-Demethoxydehydro-griseofulvin,
stereospecificity, conversion, Streptomyces cinereocrocatus 8007.

3-O-Demethyl-2,3-di-portimicin,
antibacterial activity 6198.

Demethylation,

Demethylation, spectnomycn 1675. sterols (ungledes, inhibition, Saccharomyces cerevisiae 4117. O-Demethylfortimicin,

antibacterial activity, Enterobacteriaceae, Pseudomonas, Serratia marcescens, Acinetobacter 4413. Demosan,

Demosan, antifungal activity, effects on membrane structure, mitochondria 1416. seed treatments effects on Glycine max 5944. Dendroctonus frontalis, vectors, blue stain, Ceratocystis minor, Pinus 3168. Dendroctonus ponderosae, pest attack, piant diseases, infection susceptibility, Pinus contorta, Europhium clavigerum 8651. transmission, fungi, pathogenesis, Pinus contorta var.latifola 3167. Dendroifums aspectabilis, dose-response effects, Bacillus thuringiensis, biological control, mathematical models 8362.

Denitrification,

aerobic digestion, sewage sludge 5302.
Alcaligenes, hydroxylamine, pyruvic oxime, nitric-oxide reductase, nitrate reductase, soil 596.

ougs 2513.
dentifriging bacteria, evolution, reviews 5111.
ecological evaluation, denitrifying bacteria 5112.
effects on nitrogen lixation, Rhodopseudomonas sphaeroides f.sp.denitrificans

5122.
energétics, Paracoccus denitríficans, reviews 5117.
enzymes role, pathway, reviews 5118.
fertilizers, soil microorganisms 3246.
forests, clear cutting 6902.
growth conditions, bacteria, transformation, haloaliphatic organic compounds

5291. Industrial wastes, carbon sources, dentrifying bacteria 3473. kinetics, activated sludge, carbon source 5298. mathematical models, dentrifying bacteria, reviews 5110. measurements, soils (acid), forests 784. nitrogen cycle, agricultural ecosystems, Oryza sativa 3224, nitrogen cycle, agricultural ecosystems, oryza sativa 3224, nitrous oxide production, fertilizer applications, soil properties, grasslands 6995.

Pseudomonas, genetic analysis, reviews 5119. Pseudomonas stutzeri, comparison, Pseudomonas aeruginosa, Paracoccus denitrificans 5107. rain forests 2307.

salt marshes soil, factors affecting 2367, septic tanks, sand filters effects on 786.

sepric tanks, sand hiters effects on 786. soil microorganisms, agricultural practices, crop fields, Trifolium 8680. soil microorganisms, redox potential, flooded soils 6957. soil, nitrate source effects on 2375. soil, nitrate source effects on 2375. soil, nitrous oxide measuring techniques, temperature association 612. soil properties, grasslands, fertilizer applications, dentiritying bacteria 8687. soil emperature, soil association, enterpriculations, soil emperature, soil mosture, mathematical models 5960. Thiobacillus dentirificans, kinetics, wastewater treatment 6243.

Thiobacinus centrincarts, initiation, vasite and wastewater treatment 4447, wastewater treatment, bacteria 5326, wastewater treatment, nitrifying bacteria, factors affecting 9797, wastewater treatment, nitrifying bacteria, factors affecting 9797.

Denitrifying bacteria,

activity, soil, measuring techniques, relationship, acetylene levels 8689.

```
Itirflying becteria, (continued)
arbon sources, soil denitrification 613.

ay, saline water effects on 5964.

pointrification, coclogical evaluation 5112.

partification, orcests, clear cutting 6902.

partification, industrial wastes, carbon sources 3473.

partification, introus oxide production, fertilizer applications, soil properties, grasslands 6995.

partification, soil microorganisms, fertilizers applications 8687.

partification, soil microorganisms, fertilizer applications 8687.

partification, soil properties, grasslands, fertilizer applications 8687.

partification, wastewater treatment 4447.

locidence, identification, soils, Hordeum vulgare cultivation 6956.

conspetition, denitrification mathematical models, reviews 5110.

all marshes soil denitrification, factors affecting 2867.

oil amendment, fertilizers, manure, redox potential, paddy fields, Oryza sativa 9623.
on amenoment, ternizers, manure, redox potential, paddy fields, Oryza sativa
| 9623,
| oil denitrification, nitrate source effects on 2375.
| oil denitrification, nitrous oxide measuring techniques, temperature association
612.
oil, urine effects on nitrogen balance 2371.
inmark, ordered indistribon, vesicular-arbuscular mycorrhizas, role, growth, nutnent uptake 5905. fordeum vulgare, Erysiphe graminis f.sp.hordei infection, conidia dispersal 2128. fordeum vulgare, powdery mildew, spores dispersal, spring 2127. natowatry, new processing vulgare, powdery mildew, spores dispersal, spring 2127. natowatry, new processing vulgare, powders are spring vulgare.
nelty, actoria suspension culture, solid phase methods 4501. 
occulum, Pythium aphanidermatium, Beta vulgaris, crop fields, irrigation, USA, 
Arizona 426. 
loculum, Pythium ultimum, relationship, Glycine max damping-off 348. 
netty gradients, 
se, separation techniques, Bacteroides fragilis forms 6332. 
netty gradients, 
loculum, pythium ultimum, relationship, Glycine max damping-off 348. 
netty gradients, 
se, separation techniques, Bacteroides fragilis forms 6332. 
netty gradients, 
loculum, pythium ultimum, relationship, gradientship, loculum, loculum,
intigens localization, protein A - gold cating 1750.

steedcion, enzyme-linked immunosorbent assay, methodology 4475.

ntal carles,
ssociation, oral hygiene, fluoride applications, children 8076.
ssociation, oral hygiene, man, Tuvalu 8078.
ssociation oral hygiene, mental retardation, children, Finland 8079.
hildren, dental hygiene, fluoride treatment, long-term effects 3499.
hildren, prevention 6282.
lental plaque, bacteria, hygiene, children 8077.
nan, antibacterial activity, fluoride dentrifices 3504.
nan, chlorhexidine, antibacterial activity 3503.
nan, prevention, calcium fluoride transformation 814.
laque index, acid production, sodium fluoride, mouthwashes, man 7210.
revention, man, fluoride mouthwashes 3501.
rophylaxis, dental hygiene, man 6280.
rophylaxis, dental hygiene, man 6280.
rophylaxis, fluoride topical application, teeth, man 8986.
rophylaxis, fluoride topical application, teeth, man 8996.
rophylaxis, fluoride treatment, children 8061.
rophylaxis, fluoride treatment, children 8061.
rophylaxis, fluoride treatment, children 8061.
rophylaxis, sodium fluoride mouthwashes, children 8990.
rophylaxis, sodium fluoride mouthwashes, children 8990.
rophylaxis, stamous fluoride gels, man 897.
rophylaxis, studien 810.
rophylaxis, studien 810.
rophylaxis, fluoride teetheriffices, bacteria 812.
rtal fluoriders, acteria, prophylaxis, man 898.
rtal hygiene, dental plaque, gingivits, man 8985.
```

Dental plaque, (continued)
removal, toothbrushes design 4463.
Streptococcus mutans levels, stannous fluoride mouthwashes effects on, man 3500.
Streptococcus mutans, man, fluoride effects on 3502.
Streptococcus mutans, Streptococcus sanguis, surfactants effects on 8759.
Pantal registrative materials Dental restorative materials, calcium hydroxide, antibacterial activity, Streptococcus sanguis 6052 Dental sealants, sterilization 6284. fluoride, dental disorders prophylaxis, bacteria 812. toothbrushing, effects on, dental plaque, formation, children, reviews 9824. equipment, disinfection, bacteria, use, water sprays 5335. hand disinfection, man 8988. instruments, bacteria contamination, teeth, man 2643. Dentrifices,
fluoride, antibacterial activity, dental caries, man 3504.
fluoride, prophylaxis, dental caries, man 8986. Dentures, Denuires, pathogens isolation, cancer patients 3506.

20-Deoxo-20-dihydro-12,13-deepoxy-12,13-dehydrorosaranolide, conversion, Micromonospora polytrota mutants 1990.

1-(2-Deoxy-2-fluoro-β-D-arabinofuranosyl)-5-ethyluridine, antiviral activity, cytomegalovurus 9687.

1-(2-Deoxy-2-fluoro-β-D-arabinofuranosyl)-5-lodocytosine, antiviral activity, cytomegalovurus 9687. 142 - Jeoux y-2 - Huutrep-1-a ration of training the first part of antiviral activity, cytomegalovirus 9687.

2-Deoxy-Djulcose,
antiviral activity, mechanisms, herpes simplex virus 1 2486.

3-Deoxy-D-manno-octulosonic acid,
containing polysacchandes, capsules, Escherichia coli, structure 9191.

3-Deoxy-D-mannocotulosonic, acid,
composition, lipopolysacchandes, Salmonella minnesota 5536.
solation, antiviral activity, feptes simplex virus 1, herpes simplex virus 2, structure-activity relationships 5213.
2-Deoxy-fluorosikorarichin A, antibacterial activity 8875.

8-Deoxysidoteirone, reduction, Clostridium paraputrificum 4695.
3-Deoxysinikacin, synthesis 4416.
solation, Salmonella Salmonel antiviral activity, cytomegalovirus 9687 2-Deoxy-D-glucose, 4-Deoxynivalenol, food contamination, Gramineae 6687. food contamination, Gramineae 6887.

Poexynucleotides, endonuclease calcium complex, conformation, N.M.R., Staphylococcus aureus 7395.

Poexypodophylotoxin, sioalation, structure, Streptomyces 6192.

Poexypodophylotoxin, antiviral activity, herpes simplex virus 1 infected cells 5206.

herpes simplex virus 1 infected cells, effects on pathogenesis 5207. Deoxyradicinin, structure, Alternaria helianthi 2967. Structure, Alternaria helianthi 2967.

Deoxyribonuclease, activity, Streptococous group D, isolation, milk products 2919.

Aspergillus affaitoinis effects on, Mammalia 7613.

assays, false-negatives, Staphylococous aureus 1076.

Bacillus, purification, characterization 1907.

production, Staphylococcus aureus, milk 2965.

Staphylococcus aureus, defection, heat stability, food contamination 9278.

Deoxyribonuclease IAL stability, Alteromonas espejiana 6507.

Deoxyribonuclease i, indicators, food contamination, Staphylococcus 3810.

purification, characterization, Bacillus cereus 8238.

15-Deoxyspergualin, synthesis 3717.

Deoxythymidine kinase, avance in the stability of the sta assays, false-negatives, organization 1937.
Tophylaxis, fluoride dentifrices, bacteria 812.
Tatal flose, dental plaque, gingivitis, man 8985.
Tatal hygiere, dental caries, fluoride treatment, long-term effects 3499.
Tatal caries prophylaxis 6280.
Tatal caries prophylaxis 6281.
Tatal plaque, man 6075.
The control promarison sodium chloride + hydrogen peroxide, dental plaque, man 6075.
The control promarison sodium chloride proparation proparation of tatal caries prophylaxis 6280.
The control promarison sodium chloride proparation production, stablylococcus aureus, milk 2965.
Stabphylococcus aureus, defection, heat stabliting production, specifical subjection, heat stabliting production, specif

3-Desacetyicefotaxime, (continued) Pseudomonas acidovorans, Pseudomonas cepacia 6117. cefotaxime, antibactenal activity, antibiotic antagonism, antibiotic synergism

6118

Deschampsia caespitosa, rhizosphere, Pseudomonas, nitrogen fixation 9597 Desertomycin,

Streptomyces macronensis, purification, characterization 4419.

Deserts,
dunes stabilization, ecological distribution, soil microorganisms, India 1473.

Egypt, Arab Rep., nitrogen-fixing bacteria, species composition, nitrogen
fixation efficacy 9607.

North America, soil, europogene characterization 5007.

North America, soil, cryptogams characterization 5887.

plant communities, soil microorganisms activity, soil moisture, organic matter

B665.
plant communities, thermophilic microorganisms, dehydrogenase activity, soil characteristics, soil moisture 9559.
Prosopis glandulosa, nitrogen fixation, nitrogen-fixing bacteria 3210.
soil microorganisms, fungal flora, community composition, Kuwait 8673.
soil microorganisms, respiration, seasonal variations 6964.
Desmantifus virgatus,
Leucaena leucocephala Rhizobium inoculation, tests, dilution frequency 1505.
Pasamodium.

Desmodium, witches' broom, mycoplasma-like organisms, disease transmission, Orosius lotophagorum ryukyuensis 9424.

1. Charlos y-17-hydroxycorticosterone, Cunninghamella elegans hydroxylation, stimulation, spores pretreatment 3704. hydroxylation, association, oxygen, Pellicularia filamentosa 4696. Desuffotomaculum nigrificans, carbonated beverages contamination 8457. Pesuffovibrit oxygen.

Desuffovibrio,
cytochrome c3, purification, tertiary structure, electrochemistry, polarography
8192.

8192. interaction, Methanosarcina barkeri, methanogenesis, choline 3261. Methanobacterium, biodegradation, polyethylene glycol, ethylene glycol 8430. oli contamiation, polyacrylamide effects on 5141. sulfur conversion, soil continuous culture 7793. esuffort desulfuricans, cell membranes hydrogenase, purification, characterization 4611, cytochrome c553, redox properties, optical properties 6546. lerredoxin, amino acid sequence 4552.

feirredoxin, amino acid sequence 4552.

Deautfovlbrio gligas,
hydrogenase, E.S.R. 74,
hydrogenase, kinetics, assays 7389,
hydrogenase, index, assays 7389,
hydrogenase, redox properties, E.S.R., Mossbauer spectroscopy 4634,
iron containing proteins, purification, characterization 5462.

Deautforococcus mobilis,
feirredoxin, purification, characterization 922.

Deautfovibrio deautiphuricans,
immobilized cells, beads, cytochrome C3 hydrogenase activity 4666.

Datercents.

Detergents, antibacterial activity, Thiobactilius 7914. Stem canker, pathology, Helianthus annuus 8594. extraction methodology, light-harvesting proteins, Rhodopseudomonas sphaeroides Diaporthe citri,

9028. industrial wastes, biodegradation, reviews 5579. reviews, effects on enzymes metabolism, microorganisms 6399. synthetic, antimicrobral activity 7958. toxicity testing, biodegradation, Pseudomonas fluorescens 2874.

Dethianon, ontrol, post-harvest decay, Botryodipiodia theobromae rot, bananas 5804. Dethio-terta(methylthio)chetomin, Chaetomium globosum, structure, x-ray crystallography 2576.

Chaetomium globosum, structure, x-ray crystening approximation, petroticon, affatoxin B1, α radiation treatment, mutagenicity testing 3879, affatoxin B1, ammonium hydroxide, sodium hypochlorite, sodium hydroxide, mutagenicity, toxicity 278, ammonia, cohratoxin A, grain 2063, cassava, fermentation, linamarase, Aspergillus sydowi, Penicillium steckii 4778, cyanide, cyani

pigs 7623.
mechanisms, chromium resistance, Saccharomyces cerevisiae 3272.
radiation, endotoxins, lipopolysaccharides, bacteria 6728. Detritus,

nutrient dynamics, forest floor, Pinus contorta subsp.latifolia, USA, Wyoming

4139.

Deuteromycetes,
airborne microorganisms, media (culture) 4512.
tungal flora, Fagus grandifola bark 1438.
tungal flora, Fagus grandifola bark 1438.
tungal flora, Seeds, Compositae 7726.
Iffe cycle, pethogenicity, biological control, Culicidae 1012.
plant diseases, ecological distribution, France 2207
rubber biodegradation 1994.
spores production, use, biological control, Culicidae 1807.
vivulence, biolassays, methodology, Insecta 1002.

Vivulence, biolassays, methodology, Insecta 1002.
Vivulence, biolassays, methodology, Insecta 1002.
verioping countries,
biological control, weed control, pathogens, plant diseases 7472.
research programs, Bacillius thuringiensis, biological control, Insecta 1027.
vectors, disease transmission, biological control, Insecta 1028.

vectors, useass — Dew, effects on Alternaria alternata growth, Helianthus annuus 6800. effects on Botrytis squamosa, infection, Allium cepa 8591. effects on, pathogenesis, brown spot, Septoria glycines, Glycine max 2105. effects on, pathogenesis, Cercospora zeae-maydis, leafspot, zea mays 2135. Dextranses. Asperciillus insuetus, factors affecting 1920.

biosynthesis, Aspergillus insuetus, factors affecting 1920. Penicillium, electrophoresis 8249. Penicillium funiculosum, carbohydrate composition 7340. poly(anions) inhibition kinetics, fluorescence, Bacillus subtilis 79.

pony(ahoris) initiation analysis. Destranaucrase, inhibitors, ribocitrin, structure, Streptococcus mutans 3686, purification, characterization, Streptococcus mutans 55. 2,3-Diacetamido-2,3-dideoxy-D-manuronic acid, lipopolysaccharides, Pseudomonas aeruginosa 3713.

2,3-Diacetamido-2,3-dideoxy-L-guiuronic acid, Pseudomonas aeruginosa, detection 4700.

Diacetoxyscirpenoi,
binding dehydrogenase active sites, Saccharomyces cerevisiae 7625.

Dialityi diaulifide, to affect on incidence. Scientium cenivorum scientiae. soil amendment, effects on, incidence, Sclerotium cepivorum sclerotia 1514. 4,5-Diallyl-2,3-dihydroxybiphenyl ether, antibacterial activity, Streptococcus mutans 2433.

Dialyals, membranes, interspecific relationships, fungi, methodology 2715, systems, glutaraidenydes based disinfectants evaluation, antibacterial activity, Mycobacterium 7207.

 Mycobacterum 7207
 4-6-Dlamidino-2-phenylindole, fluorescence staining, detection, Chlamydia trachomatis 3619.
2,7-Dlamidino-9-Hiuorene-9-one, antiturgal activity, Candida albicans 2472.
3,6-Dlamino-1,8-naphthaloylamino aclds, synthesis, antimicrobial activity 702.
2,3-Dlamino-2,3-dideoxyglucronic acld, biosynthesis, characterization, Propionibacterium acnes cell walls polysaccharides 3657.
4-Dlamino-7-diliaopropyl-pteridine, drug resistance, clinical isolates, vibrio cholerae 8730.
Dlaminopimelic acid, content, feets, effects on rumen microorganisms, bacteria, role, markers, production 6680. production 6680. cherichia coli, detection methodology, gas chromatography 7240.

1,3-Diaminopropane, incorporation, thermine role, Clostridium thermohydrosulfuricum polyamines

biosynthesis 9205

 2,4-Diaminopyrimidines,
 binding 4-aminobenzensulfonamide, antibacterial activity 7083.
 o-Dianisidine, o-Dianisidine, biodegradation, aerobic conditions 8436. Dianthus,

Peronospora infection, pathogenesis 7714.

Peronospora infection, pathogenesis 771%.

Dianthus caryophyllus,
carnation latent virus, infection 6806.
detection, carnation mottle virus, carnation ringspot virus, enzyme-linked
immunosorbent assay 831.
disease resistance, rust, Puccinia dianthi 8609.
menstem tip culture, carnation mottle virus, detection, enzyme-linked
immunosorbent assay 7223.
viruses, enzyme-linked immunosorbent assay surveys 1294.

Diapers,
disinfection, chemicals 801.
4.4*-Diapocarotene-4-el-4*-oic acid,
biosynthesis pathways, Pseudomonas rhodos mutants 4568.
4.4*-Diapocarotene-4,4*-dial,
biosynthesis pathways, Pseudomonas rhodos mutants 4568.

Diaporthe citri, melanose, Citrus latifolia, epidemiology, USA, Florida 9376. pectinolytic enzymes 5528. Diaporthe phaseolorum var.caultvora, stem canker, Glycine max, epidemics 9327. Diaporthe phaseolorum var.sojlee, infection, Phomopsis sojae, new records, Hungary 7657. seed-borne diseases, relationship, symptoms, Glycine max, seeds 1143.

Diarrhea, disease transmission, role, Escherichia coli food contamination, children, disease fransmission, role, Escherichia coli food contamination, children, Bangladesh 4847.
emetics, association, Bacillus cereus spores, germination, heat resistance, association, tood contamination, man 193. solates, Escherichia coli, antibiotic resistance, cattle, juveniles 1534. man, association, Escherichia coli cytotoxins biosynthesis, relationship, sociaties, cattle, Escherichia coli isolation, antibiotic senettivity testing 3283.

Diaryl sulfides, antifungal activity, dermatophyte fungi 2482.

Dlauxie,
Escherichia coli growth, DNA biosynthesis, RNA biosynthesis, protein biosynthesis
8215.

antibacterial activity, nitrogen-fixing bacteria, Eichlornia crassipes isolates 8770

paddy fields soil, effects on nitrogen fixation, heterotrophic bacteria 619. 1-Diazo-2-oxoundecane,

binding luciferin 2-monoxygenase, subunits, photoaffinity labelling, Vibrio harveyi 2800.

Diazomethane, esterification oligo(ID-galactosidiuronic acids), pectinesterase effects on, Aspergillus foetidus 8251.

Diazonium salts, biosynthesis, aniline derivatives conversion, Escherichia coli 3741.

inbaction, artibacterial activity, comparison, tobramycin 2584. artibacterial activity, uninary tract infection treatment, man 6187. derivatives, synthesis, antibacterial activity 8853. fluorescence immunosassays 9785. Hindrescence immunosassays 9785. Hindrescence immunosassays 9785.

aeruginosa 1669.

Dibenzothiophenes,
biodegradation, hydrocarbon-degrading bacteria, oil dispersants effects on 8717.

Dicarboxamidéa,

disease control, Botrytis cinerea, fruit rot, Vitis vinifera 8639. Dicarboximide,

fungicides, Botrytis cinerea resistance, New Zealand 7880. resistance, association, osmotic pressure, sensitivity, Botrytis cinerea, Penicillium expansum, Aspergillus nidulans 6022.

Dicarboximides,
Botrytis cinerea resistance 9650.
resistance, Botrytis cinerea 7898.

carboximides, (continued)
esistance, Botrylis cinerea, grey mold, greenhouses 6884.

+ Dicarboxy-4-methoxy-5-methylbenzoic acid,
biosynthesis, Penicillium gladioli, naphthomycin A biodegradation 12.

- bioficianid. Dietary Intake, formaldehyde, Platynota idaeusalis larvae, association, Bacillus thuringiensis subsp.kurstaki toxicity 7498. etals, animals, aflatoxicosis interaction 4900. Diethyl pyrocarbonate, disease control, Rubus idaeus, fungi 487. camylase chemical modification, Aspergillus pryzae 1862,
chemical modification coupling factor 1 histidine residues, inactivation,
Rhodosprillum rubrum 8285.

Diethyl 3,4-dimethoxybenzalmalonate,
antifungal activity 8784.

Diffenbachia meculata,
stem rot. leafsport. Exerciting polani 1985. Chiloran, Discharge Control records a control of the Control of th stem rot, leafspot, Fusarium solani 1268. Differentiation Interentation, comparison, Dictyostelium discordeum, cells separation methodology 5435, media, Enterobacteriaceae hydrogen sulfide biosynthesis 6603, media, yeasts 2722.
Streptomyces cattleya, factors affecting 6184. Diffusion tests, antibiotic sensitivity testing, factors affecting 9722. proteinase, Bacillus cereus, Clostridium botulinum 1935. Digestibility, carbohydrates, animals, feeding trials, fungi, yeasts 3853. crop residues, feeds, sheep 4870. fungi, man 5615. 4252.

**Polichlorophenoxyacetic acid,
biodegradation, Pseudomonas 4759.

**Solichlorophenoxyacetic acid,
foliar applications, disease control, Plasmodiophora brassicae, clubroot,
Brassica oteracea 8632.

**Solichlarophanull.2.4.oxazolidinediones, Gossypium hirsutum crop residues, rumen microorganisms, sheep, pretreatment, ozone, sodium hydroxide 5633. ozone, sodium hydroxides, rumen microorganisms, sheep, pretreatment, ozone, sodium hydroxide 5634. Ga,5-Dichlorophenyl)-2,4-oxazolidinediones, derivatives, antifungal activity, Botrytis cinerea, structure activity relationships 4300. ozone, sodium hydroxide 5634.

Ilquids Streptomyces soubleles± molasses, cattle 4867.

Digestion, fruts, vegetables, anaerobic microorganisms 4843.

Iactose, intestinal microflora, Lactobacillus acidophilus, milk, man 7581.

Digestion (aerobic),

biomass, thermophilic bacteria, sewage sludge 8931.

solid wastes, activated sludge 1691.

thermophic microorganisms, sewage sludge, waste treatment 8939.

thermophic bacteria, sewage sludge 4431.

wastewater freatment, bacteria, survival, association, temperature 2613.

Digestion (anaerobic),

anaerobic bacteria, sewage treatment, association, temperature 5289.

aromatic compounds, sediments 4760.

bacteria, methane reactors, mathematical models 5308.

bacteria, propionic acid metabolism, kinetics 8944.

bioreactors, effluents recirculation effects on 9807.

bioreactors, wastewater treatment 8960.

cheese whey, chemicals floculants effects on 9809.

Clostridium, Bacillus, animal wastes, pigs 5301.

comparison, rumen, oxygen effects on methanogenesis, spectrometry 9629.

crop residues, methanogenesis, inicroorganisms, reviews 7196.

methanogenesis, activated sludge solid wastes 1692.

methanogenesis, knetics, agricultural wastes 9798.

methanogenesis, knetics, agricultural wastes 8979.

methanogenesis, sunetics, agricultural wastes 8979.

methanogenesis, sunetics, agricultural wastes 8964.

methanogenesis, suse carbon sources, Spirulina maxima 625.

oil, industrial effluents, bioreactors 5287.

pigs animal wastes, wastewater treatment 8305.

petroleum effluents, bioreactors 5287.

gigs animal wastes, substrates refention, relationship, bacteria levels 9808.

sewage sludge, methanogenesis 834.

sewage sludge, methanogenesis 834.

sewage sludge, methanogenesis 834.

sewage sludge, methanogenesis, methals 8946.

sewage sludge, methanogenesis, methals 8946.

sewage sludge, methanogenesis 834.

se liquids Streptomyces solubles ± molasses, cattle 4867 relationships 4300.

(3,5-Dichicrophenyl)-2,5-pyrrolldinediones,
derivatives, antifungal activity, Botrytis cinerea, structure activity
relationships 4300.

2-Dichloropropane,
+-methyl isothiocyanate, soil fumigation, Fusarium oxysporum f.sp.melonis invasion
5898. 3-Dichloropropene,
+ methyl isothiocyanate, soil fumigation, Fusarium oxysporum f.sp.meionis invasion
5898. pest control, Nematoda, relationship viruses reservoirs, Fragaria ananassa disease control 9479. disease control 9479.
dispense control 9479. pi-D-glucan, conformation, antiinflammatory agents 6569.
mannans, glucans, antitumour activity, mice 7453.
ctyostallum, ecological distribution, alpine environments 1482.
ecological distribution, species composition, alpine environments 1479.
ctyostallum discoldeum,
3:5'-cyclic-nucleotide phosphodiesterase isoenzymes, purification,
characterization 6452.
differentiation comparison, cells separation methodology 5435.
isocirtate dehydrogenase (NAD *), purification, characterization 70.
spores coat protein, fractionation, characterization 1831
ctyostellum minutum,
ecological distribution, population density, forest floor 5849.
ctyostellum mucoroides,
ecological distribution, population density, forest floor 5849.
ctyostellum mucoroides,
ecological distribution, population density, forest floor 5849.
ctyostellum mucoroides,
ecological distribution, population density, forest floor 5849.
ctyostellum application, population density, forest floor 5849.
ctyostellum application density, forest floor 5849.
ctyostellum application density, forest floor 5849.
ctyostellum applicatio waste treatment, oildreaturs, methodology, chialacterization 922. waste water, solid wastes, technology, reviews 9801. wastewater treatment, bacteria, survival, association, temperature 2613. wastewater treatment, coffe fementation, fundas 4432. wastewater treatment, industrial effluents, molasses 4445. leafspot disease control, Dioscorea dumetorum, fungicides use 5061.

sback,
Abies, fungi infection, etiology 7784.

blight, Cryphonectria parasitica, virulence, effects on, Castanea dentata 8655.

Botryosphaeria ribis, pathology, Eucalyptus camaldulensis 4159.

+canker, Rhizosphora, Gambia 1454.

Cytospora abietis, branches, Arceuthobium abietinum parasitism, Abies magnifica 5863. effects on mycoplasma-like organisms virulence, tissue culture, Nicotiana tabacum 2175. Dihydrogeodin oxidase, purification, characterization, Aspergillus terreus 5493. Dihydrolipoamide dehydrogenase, active sites. N-terminus, amino acid sequence, homology mercuric reductase, Dihydrollpoamide reductase (NAD+), Clostridium kluyvern, bioassays, bile acids 4504. Dihydrollpoamide reductase (NAD+), purification characterization, Saccharomyces cerevisiae 4669. disease control, plants soil mixtures 4925 disease control, plants soil mixtures 4925
Eutypa armeniacae, Prunus amygdalus 6786.
Fusarium, nole mycotoxins, Pinus 2315.
Glomerella cingulata, susceptibility, Camellia reticulata, pathology 2190.
induction, Pinus, Fusarium extracts 2313.
Oncobasidium theotoromae. Theotoroma cacao, China, People's Rep. 7679.
pathogenesis, Banksie grandis, soils (podzolic), effects on, Phytophthora
cinnamom; zoospores 5850.
Phomae costarricensis, seedlings, Coffea 7682.
Phomopais, Dipodia gossypina, Fusarium moniliforme f.sp.subglutinans, Pinus
ellettii, Pinus taeda 5076
Phytophthora cinnamomi, Eucalyptus marginata, disease transmission, pathogenes
4523.
Phytophthora disease control, Bhododendron, greenhouses 9419. Dihydrophenanthrenes, Bletilla striata, antibacterial activity 7079. Dinydroprenaminenes, Bletilla striata, antibacterial activity 7079.
Dihydrovindoline, demethylation, Streptomyces griseus 7541.
78-Dihydroxy-kaurenolides, biosynthesis, Gibberella fujikurori 2853.
17a,21-Dihydroxy-pregn-4-en-3,20-dione, Flavobacterium dehydrogenans, pregnenoione triacetate conversion 5529.
9[(1,3-Dihydroxy-2-propoxy)methyl-guanine, antiviral activity, herposivirus 7111.
9-(1,3-Dihydroxy-2-propoxymethyl)guanine, antiviral activity, cytomegalovirus (human), DNA biosynthesis, protein biosynthesis, cell culture 9689. antiviral activity, herposis simplex virus 5217.
2,5-Dihydroxy-4-methoxy-9,10-dihydrophenanthrene, Diosoprae rotundale activates antivingal activity 3339.
3,4-Dihydroxy-5-(p-allylphenoxyl) cinnamic aldehyde, antibacterial activity, Streptococcus mutans 2433.
1,3-Dihydroxy-4-decen-5-on, Streptomyces imbiratus, biosynthesis, characterization, antifungal activity, 9523.
Phytophthora, disease control, Rhododendron, greenhouses 9419.
Phytophthora parasitica, overwintering, temperature, effects on, Rhododendron 9389. Phytophthora parasitica, overwintering, temperature, errects ori, inhuboderiolo 3989.
Phytophthora parasitica, sporangia, survival, pathology, Rhododendron 9386.
Vifts vinifera, disease control, use, benomyl, USA, Michigan 6881.

Strenbachle, diagnosis, Infection, Mycoplasma-like organisms, viruses 2185.

Strenbachla maculata, ealspot, Myrothecium roridum 5747.

—Dlenoyl-CoA reductase, bunfication, characterization, Escherichia coli 1894.

1,3-Dihydroxy-8-decen-5-on, (continued) antibacterial activity 9201.
Dihydroxyacetone,

gfycerol conversion, immobilized cells, Chlorella pyrenoidosa + Gluconobacter oxydans 2856.

oxydans 2856

- (3.4-Dihydroxybutyl)guanine,
antiviral activity, herpes simplex virus replication 5216.

3,6-Dihydroxylindoxazene,
isolation, structure, antibacterial activity, gram-negative bacteria 6218.

Dihydrofolate reductase,
transhopman dina resistance mechanisms, bacteria str

Difference reductates, transfer mechanisms, bacteria, clinical isolates 5999.

Dilution, cell culture, bacteria, automated methods 3600. frequency tests, Leucaena leucocephala Rhizobium inoculation Desmanthus virgatus

1505. Dilution tests

antibiotic sensitivity testing, factors affecting 9722. factors affecting, Streptococcus mitior penicillin su Vibrio, antibiotic sensitivity testing 3388. cillin susceptibility 5179.

Styrene, biodegradation, Alcaligenes, Pseudomonas 7558.

Dimethoata,
antibacterial activity, nitrogen-fixing bacteria, Eichlornia crassipes isolates

disease control, Nephotettix virescens, vectors, rice tungro virus 6847 2,7-Dimethoxy-5-hydroxy-6-(1-hydroxyethyl)-1,4-naphthoquinone, biosynthesis, Hendersonula toruloidea 6605.

3,4-Dimethoxybenzal-acetylacetone, antifungal activity 8784.

antifungal activity B784.

3.4-Dimethoxybenzalcyanoacetamide,
antifungal activity 8764.

3.4-Dimethoxybenzalcyanoacetic acid,
artifungal activity 8784.

3.4-Dimethoxybenzalcyanoacetic acid,
artifungal activity 8784.

3.4-Dimethoxybenzalmalonamide,
artifungal activity 8784.

Dimethoxybenzalmalononitrile,
artifungal activity 8784.

Dimethyl dicarbonate,
fungicidal activity, Saccharomyces cerevisiae, wine sterilization 2868.

Dimethyl disutfice,
cheese flavor, ripening, Cheddar cheese 9272.

Dimethyl suberimidate,
cross-inking, cytochrome c binding sites, reaction centers, Rhodospse

Dimetry suberimidate, cross-inixing, cytochrome c binding sites, reaction centers, Rhodospseudomonas sphaeroides 3651 fatty-acid synthetase cross-linking, quaternary structure, Brevibacterium ammoniagens 2763.

Dimetry autifica, cross-inixing activity 7919.

+ antimycobacterial agents, antibacterial activity 7919.
+ antimycobacterial agents, antimycobacterial activity, Mycobacterium avium-intracellulare 2401.

effects on antibacterial activity, formaldehyde, hydrogen peroxide, Bacillus cereus spores 8772.

effects on, daunomycin, adriamycin, antitumor activity. Intimicrobial activity

effects on, daunomycin, adriamycin, antitumor activity, antimicrobial activity

8033

8033.

2.4-Dimetriyl-1-cyclohexanol,
Bacillus subilis hydrolysis, use production 2.4-dimethyl-1-cyclohexanones 1985.

2.4-Dimetryl-1-cyclohexanol,
Bacillus subilis hydrolysis, use production 2.4-dimethyl-1-cyclohexanones 1985.

2.5-Dimetryl-3-duranezhoxanilide,
biodegradation, Nocardia 4763.

5.6-Dimetryl-benzyliphanol,
derivatives, antitungal activity 9681.

Dimetridazole,
drug sensitivity testing, Treponema hyodysenteriae 8768.

Dimorphiam,
Mucor mucedo, cell walls biosynthesis, fungicides effects on, factors affecting
4310. 4310

4310.
yeasts mycelia, assays methodology 9082.
3,6-Dinitro-1,8-naphtheloylamino acida,
synthesis, antimicrobial activity 702.
2,4-Dinitrophenol,
effects on, Gluconobacter oxydans, growth 6054.
Dinitrosalicylic acid,
assays, reducing sugars, cations interference, media (culture) 8085,
sugars assays, lignocelluloses hydrolysates, cellulase, Trichoderma viride 9073.
Dinocap,
antibacterial activity, nitrogen-fixing bacteria, Eichlornia crassipes isolates
8770.

foliar applications, Begonia, powdery mildew, antifungal activity 1393.

Dinoseb, treatment, root rot, Pythium ultimum, Phaseolus vulgaris 1387.

biological control, Bacillus thuringiensis, persistence, Pinus taeda 7484. biological control, Bacilius ununguana.

Dioacorea, soft rot, Bottyodiplodia theobromae, life cycle 5791.

Dioacorea dumetorum, leatispot disease control, fungicides use 5061.

Dioacorea rotundata, extracts, antifungal activity 3339.

Dioapyros cordifolia, fruits extracts, antifungal activity, spore germination 8785.

Dioapyros kakl, black spot, fungicides disease control 8628.

black spot, rungicutes discontinuous production. DNA biosynthesis 1557. DioxIdine, antibacterial activity, mechanisms, association, DNA biosynthesis 1557. 2,4-Dioxo-hexahydro-1,3,5-triazine, treatment, viruses infection, plants 312.

+guanidine, antiviral activity, viruses infection, Nicotiana tabacum 6886. 2-(Dipeptidyl)aminopyrazine, derivatives, antimicrobial activity 7962.

Diphenylacetylglycine

Dipicolinic acid, Penicillium citreoviride, biosynthesis, role, survival 7445.

Diplachne fusca, hizosphere microorganisms, nitrogen fixation, soil isolates 592.

Diplocarpon rosae, condia, ntrogen liquid) storage, culture collections 3629, infection, Rosa, effects on phylioplane microorganisms population dynamics 2200, Diplodia goasypina,

Diploidia goasypina,
deback, Pinus eliotiti, Pinus taeda 5076.

Diploidia maydia,
stalk rot, Ostrinia nubilalis infestation effects on, disease resistance, Zea
stalk rot, Ostrinia nubilalis infestation effects on, disease resistance, Zea
stalk rot, Ostrinia nubilalis infestation effects on, disease resistance, Zea
stalk rot, Ostrinia nubilalis infestation effects on, Pinus radiata seedlings, relationship, temperature, condensation 7786.

Diploidia acertia.

Diplodina acerina, bark necrosis, Acer pseudoplatanus, pathogenesis 5071.

Dipsilde test, bacteriuna detection, urine bacteria 9965. Dipterocarpus grandiflorus, Cylindrocladium soparium diseases, Malaysia 2316. Diptheroids,

antibiotic sensitivity testing 7977

antibiotic sensitivitylesting 7977

Dipyridamole,
effects on, pseudorabies virus, electron microscopy 3356.

Direct epifluorescent filter technique,
bacteria enumeration, milking machines, hygiene 6270.

Disaccharides,
analyzers, fungi immobilized enzymes 7342.

Disc-diffusion test,
aminoglycoside antibiotics, streptococcus group D 2509.
antibiotic sensitivity testing, certoperazone, statistical analysis 9744,
antibiotic sensitivity testing, temperature effects on 7976.
cefonicid 9742.

cefonical 9742. ceftriaxons antibascterial activity 7998. cephalosporins, lamoxactam, antibacterial activity 9741. cindamyon antibiotic resistance, Bacteroides fragilis 7031. cloxacilin, Staphylococcus aureus, methicillin sensitivity 639. drug sensitivity testing, pipermidic acid. Pseudomonas aerugmosa 7916. moxalactam, antibiotic sensitivity testing, quality control 9745. mortioxacin, standardization 3324. Pseudomonas, penicillins antibacterial activity, β-lactamase activity, interpretation 6145. quality control, antibiotic sensitivity testing 2514. Staphylococcus aureus, gentamicin resistance, aminoglycoside antibiotics susceptibility 2413. Streptomyces echinatus echinomyon biosynthesis quantification 4428. Streptomyces echinatus echinomycin biosynthesis quantification 4428.

Discorea, rust, Goplana australis sp.nov, Uredo spinulosa sp.nov, Goplana, Phaltospora 4013.

X disease, Mollicutes, Colladonus montanus disease transmission, Prunus 4973, mycoplasma-like organisms, mixed infection, Spiroplasma citri, etiology, Prunus 3025.

prunus persica, oxytetracycline hydrochloride treatment 2152.

Jesease control,
Acremonium crotocinigenum, leafspot, anilazine, Syngonium podophylium 1423. antifungal agents furnigants, post-harvest decay, Pseudotsuga menziesii wood 1468. antifungal agents, Rubus idaeus 487. apple mosaic virus, antivirual agents injection, Malus pumila 9500.
Ascochyta fabae infection, Vicla faba 1138.
Ascochyta fabae infection, Vicla faba 1138.
bacteria, fungi, canned food, meat 3807.
bacteria, fungi, canned food, meat 3807.
bacteria nosocomial infection, man, environmental hygiene 3495.
benomyl, blue mold, Penicillium expansium, association, stem rot, Alternaria afternata, Pyrus communis 9373.
benomyl, captan, orchards, Malus 6874.
bli yevin disease, lettiuce bly evin virus, methyl bromide, carbendazim, Lactuca sativa 6889.
black shank, Nicotiana tabacum, fungicides+nematicides 4125.

behömyl, capian, orchards, Maus ebr.4, blg vein vinus, methyl bromide, carbendazim, Lactuca sativa 6889 blg vein disasea, leituce big vein vinus, methyl bromide, carbendazim, Lactuca sativa 6889 black shank, Nicotiana tabacum, fungicides+nematicides 4125. blight, Nectria cinnabarina, Malus pumila, benomyl, capitalol 4120. blight, Nectria cinnabarina, Malus pumila, benomyl, capitalol 4120. blight, Sclerotium rollisii, fungicides, satis, Trichoderma, Poa 1402. blister rust, Cronartium ribicola, pruning, Pinus strobus 1466. Botrylis cinerea, Full rol, dicarboxamides, Vilis umifera 8639. Brassica oleracea seeds leafspot, proclione 500. Brassica oleracea seeds leafspot, proclione 500. methodology, companson 6838. citrus, fungicides, applications, methodology, companson 6838. brown spot, Physoderma maydis, tiliage, Zea mays 7736. acssava common mosaic virus, elimination germplasm. Manihot esculenta 1375. chlorothalonil, Cercospora arachidicola, Cercosporidium personatum, leafspot, Arachis hypogaea 1409. chlorothalonil, Uromyces appendiculatus var.appendiculatus rust, Phaseolus vulgans 9491. Citrus paridisi greasy spot, fungicides, foliar applications 5834. citrus Insteza virus infection, Citrus 9378. Cochiliobolus sativus infection, Citrus 9378. Cochiliobolus sativus infection, Hordeum, seed treatments, fungicides 1429. Coffea arabica, leaf rust, Hemiliei a vastatrix 4076. corky ringspot, Solarum tuberosum 3112. corky rord, Lycopersicon esculentum 1264. cowpea banding mosaic virus infection, Vigna unguiculata, insecticides, vectors, Aphis craccovara 5506. Cronaritum ribicola, blister rust, pruning, Pinus monticola 1457. damping-off, Pythium utimum, etiology, Cicer anetinum 3911. dental plaque periodorital diseases, man, spiramycin 3505. deleback, Vits viinfera, use, benomyl, USA, Michigan 6881. diseases, Gossypium seedings, bacteria, hugicides, Humulus lupulus 1403. Endothia parastica blight, virulence, Castanea dentata 6922. Endothia parastica blight, virulence, Castanea dentata 6922. Endothia parastica virulence, b

Disease control, (continued)
post-harvest decay, guavas, benomyl, guazatine 6832,
post-harvest decay, Penicillium expansum, calcium chloride, apples 5798,
post-harvest decay, Penicillium expansum, calcium chloride, apples 5798,
potato frux X, ribavini, 5-szadhydrouracii, Nicohana tabacum 2271,
powdery mildew, greenhouses plants, ectaconazole treatment 5004,
powdery mildew, Podosphaera leucotricha, fungicides, Malus pumila 2280,
powdery mildew, Podosphaera leucotricha, fungicides, Malus pumila 2281,
powdery mildew, Podosphaera leucotricha, fungicides, Malus pumila 2281,
powdery mildew, Sphaerotheca fuligimea, triforine, Cucumis sativus 2275,
powdery mildew, Sphaerotheca pannosa var.rosae, Rosa 5385,
prochloraz, dry bubble disease, Verticillium fungiciola, wet bubble disease,
Mycogone permiciosa, cobweb disease, Hypomyces rosellus, Basidiomycetes 6824,
prochloraz, Lingi infection, Agaricus 4116.
Pyrenophora teres, Pyrenophora graminea, infection, heat treatments, Hordeum
vulgare, seeds 1430.
Phycolaria oryzac, blast, fungicides, Oryza sativa 8830.
Phycoloria Solani, sheath blight, Oryza sativa, overwintering, burning 4953.
Phycoloria solani, sheath blight, Oryza sativa, overwintering, burning 4953.
Phycosporum secalis leaf blotch, Hordeum, antifungal agents treatment timing ese control, (continued) bd poisoning, man, food contamination, bacteria 3496, agaira ananassa, viruses reservoirs relationship, Nematoda 1,3-dichloropropene poest control 9479. od possoning, man, food contamination, bacteria 3496.
agaria ananasas, viruses reservoirs relationship, Nematoda 1,3-dichloroproper
gagria vesca red core, agricultural practices association, dazomet.
fenaminosulf 1415.
bit damage, plants, ice nucleation bacteria 4130.
dit rot, fungicides, Ficus carica 1396.
dit rot, fungicides, Ficus carica 1396.
dit rot, Maiss 3031.
dit rot, Mycosphaerella pomi, fungicides, Malus pumila 1392.
ngl, baycor, plant diseases, Malus pumila 1421.
ngl, clubroot, Brassica oleracea, transplantation 4073.
ngl, factors affecting, barley storage 7724.
ngl, forestry 537.
ngl infection, blueberries, post-harvest decay, carbon dioxide storage 3106.
ngl infection, blueberries, post-harvest decay, carbon dioxide storage 3106.
ngl infection, cultivation, vegetables 2209.
ngl infection, cultivation, vegetables 2209.
ngl infection, cultivation, vegetables 2209.
ngl infection, cultivation, vegetables 2809.
ngli infection, cultivation, vegetables 2809.
nglicides, antibiotics, Xanthomonas phaseoli, leafspot, Vigna radiata 509.
nglicides, antibiotics, Xanthomonas phaseoli, leafspot, Vigna radiata 509.
nglicides, Biotick spot, Diospyros kaki 8628.
nglicides, Biotick spot, Diospyros kaki 8628.
nglicides, Collectorichum coffeanum coffee berry disease, Hemileia vastatiox
leaf rust, Coffea arabica 1341.
nglicides, downy mildew, powdery mildew, contandrum sativum 493.
nglicides, Expsphe polygoni, powdery mildew, contandrum sativum 493.
nglicides, plant diseases vegetables, plant diseases vegetab aeumannomyces gramınis, take-all, Pseudomonas seed treatments, Triticum aestivum 3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158.
3158. 3158

5064, sp. 1646, tobacco mosaic virus, seed treatments, fungicides, Crotalaria juncea 1436. tomato leaf curl virus infection, Lycopersicon esculentum, factors affecting triadimeton, Mycosphaerella musicola, leafspot, Musa 4127. tradimeton, Mycosphaerella musicola, leatspor, Musa 4127.
Triticum aestivum, fungicides 2273.
Triticum aestivum powdery mildew, triadimeton 1422.
Triticum jatin diseases, fungicides 5830.
Triticum stem rust pathogens, Barberis vulgaris eradication, USA 1389.
tungro virus, host plants, pest resistance, Nephotettix virescens, Oryza sativa 5548. Triticum stem rust pathogens. Barberis vulgaris eradication, USA 1389. turgro virus, host plants, pest resistance, Nephotettix virescens, Oryza sativa 5548 urea, fenarimol, baycor, Venturia prima, scab, Pyrus communis 1396. use, insecticides, fungicides, planting dates, Hordeum vulgare 7676. vaccines, hepatitis B virus, man 3457. vapam. Sclerotium cepivorum white rot, Allium 9492. vectors, microorganisms, insecta 6622. vegetables, plants, infection, fungi, bacteria 2267. viruses, plant breeding, germplasm, crops 2242. viruses, plant breeding, germplasm, crops 248. white rot, Sclerotium cepivorum, pathology, Allium cepa, reviews 1260. witk, Pinus, Bursaphelenchus sylophilus, pesticides uptake 5877. Xanthomonas campestris pv. vesicatoria spot, Piper nigrum, association, copper sensitivity 6878.

Disease reservoirs, barley yellow dwarf virus, USA, Missouri 1164. pea streak virus, alfalfat mosaic virus, Medicago sativa 3929. s. role, Arachis chaccense, peanut mottle virus isolation, pathogenicity 6743. tomato ringspot virus, prunus 1209.

Disease resistance, Abelmoschus esculentus, Fusarum oxysporum I.sp. vasinfectum witt 7740. Abies balsamea, decay fungi, factors affecting 8648. Alternaria heilanthi, infection, Helianthus 5766. L.2-sminooxy-3-phenylpropionic acid. inhibition, phytoalexins, Glycine max, effects on, Phytophithora megasperma 1.sp. glycinea 3907. Amyelois transitella, biological control, pathogens, calicivirus 5549. Arachis hypogeae, rust, Puccinia arachis and produce and produced subject of the produced subject of the sativa 6620. Aventa sativa, Puccinia arachis cornalariae infection 474. Arachis hypogeae, rust, Puccinia arachis and produced subject of the pathological control, pathogens, calicivirus 5549. Aspergillus flavus, affattoxina lovias, Zea mays 6553. assays, wit. Corynebacterium insidiosum, Verticilliu

488.

Rhynchosporium secalis, leaf blotch, Hordeum vulgare 5809.
nce lungro virus, insecticides, vectors. Nephotettix virescens 6847.
root rot, Beta vulgars, sulfur 3157.
root rot, flungicides, Lycopersicon esculentum, Solanum melongena 6872.
root rot, flungicides, Lycopersicon esculentum, Solanum melongena 6872.
root rot, Giyone max, lungicides seed treatments, USA, Ohio 7772.
Rosa canker, fungicides 1410.
rust, Conhardium guercuum fispfusiforme, triadimefon. Pinus elliottii

rust, Cronartium quercuum f.sp.fusiforme, triadimefon, Pinus elliottii var elliottii 9516
salmonellosis, Salmonella contamination, abattoirs, turkeys 2050. scab, Venturus maequalis, pathogenesis, mathematical models, Malus pumila 5734. Sclerospora graminicola downy mildew, Pennisetum americanum, fungicides 4116. Sclerospora graminicola downy mildew, Pennisetum americanum, metalaxyl seed treatments 9502. Sclerospora graminicola downy mildew, Pennisetum americanum, metalaxyl seed treatments 9502. Sclerotina minor blight, Arachis hypogaea, fungicides 4100. Sclerotinia minor blight, Chlorothatonii, Arachis hypogaea 3151. Sclerotium rofisia infection, Agrostis palustris, antifungal agents 1397. seed treatments, Pseudomonas syringae pv.lachrymans leafspot, Cucumis sativus 9501.

seed-borne diseases, fungicides, Oryza sativa, Glycine max, Triticum-aestivum 1434. Septoria nodorum glume blotch, Triticum aestivum, crop rotation, seed treatments 9466. Setton. Sheath blight, Corticium sasakii, fungicides, Oryza sativa 3148. Simulum damnosum vectors, biological control, Bacillus thuringiensis 1020. speckled leaf blotch, powdery mildew, Triticum aestivum, Hordeum vulgare, yield, models 7671. Spinacea oleracea, white rust, blue mold, metalaxyl+chlorothalonil treatment 5064.

Disease resistance, (continued)
blackeye cowpea mosaic virus, cowpea aphid-borne mosaic virus, inheritance,
Phaseolus vulgans 4088.

Phaseolus vulgans 4088. blight, Xanthomonas campestris, genes, genetic analysis, Oryza sativa 9459. blight, Xanthomonas malvacearum, genetic analysis, Gossypium hirsutum 2254. blister rust, Pinus monticola, USA 8618 blue mold, Peronospora effusa, genetic analysis, Spinacia oleracea 1337. Botrytis allii, rot, Allium cepa 3986. Erassica napus, haploidy, heredity, Phoma Ingam 450. breeding, Brassica oleracea, Brassica rapa, Plasmodiophora brassicae clubroot 0477.

breeding, Vigna unguiculata, cowpea aphid-borne mosaic virus, cowpea mosaic virus, bacteria, infection 3138.

Bremia lactucae, analysis, Lactuca 6865.

Bremia lactucae, analysis, Lactuca 6865.
Bromus inermis, brown spot, inheritance 6868.
canker, Crybohonectra cubensis, role, Eucalyptus phenols 5814.
canker, Nectria galligena, Pezicula malicorticis, Phytophthora cactorum, Stereum purpureum, Maius pumila 1357.
Capsicum annuum, leafspot, Xanthomonas campestris pv. vesizatoria 7742.
Capsicum, tobacco mosaic virus infection 1335.
Castanea dentata, blight, Endothia parasitica, virulence 8623.
Cercospora arachidicola, Arachis, interspecific hybridization, plant breeding 7727.

1727. Cercospora arachidicola, leafspot, sporulation screening, Arachis hypogaea 5047. Chrysanthemum morifolium, Fusarium oxysporum f.sp.chrysanthemu inoculation 4999. Cicer anetinum, Ascochyta rabiei blight, inheritance 6867. Citruillus lanatus, wilt, Fusarium oxysporum f.sp.niveum, inoculum, effects on

5774.

Citrus sinensis, Citrus limonia, leaves, mesophyll, Xarithomonas campestris 456.

Coffea canephora, leaf rust, Hemileia vastatrix, light intensity effects on 3962.

Colletotrichum coffeanum, inheritance, Coffea arabica 6864.

Colletotrichum fragianae, anthracnose, screening, Fragaria 1258.

Colletotrichum trifoli, anthracnose, Medicago sativa 5046.

Colletotrichum trifoli infection, screening races, Medicago sativa 477.

Cowpea chlorotic mottle virus infection, Vigna unguiculata, transmission (seed)

332.

crop plants, soil-borne diseases, genetic analysis 6850. crown rust, Puccinia coronata f.sp.lolii, Lolium perenne, Lolium multiflorum

4079.

cucumber mosaic virus infection, Cucurbitaceae, plant breeding 3118.

Cucumber mosaic virus, pathogenicity, Lactuca saligna, genetic analysis 3135.

Cucumis melo, downy mildew 1358.

Cucumis meho, Pseudoperonospora cubensis inoculation 7752.

Cucumis sativus, Fusarium oxysporum f.sp.cucumennum, pathogens induction 2262.

Cyphomandra betacea, witi 1384.

derense mochanisms, plant diseases, reviews 1336.

development, Triticum, brown rust, stripe rust, germplasm screening, field trials, India 5726.

Didymella applanata infection, Rubus 458.

downy mildew, Plasmopara halstedii, Helianthus annuus 4066.

Drechslera oryzae infection, Oryza sativa, phytoalexins inducers use seed treatments, induction, hypersensitive response 2292.

Elsinoe brasiliensis elongation plant diseases, inheritance, Manihot esculenta 6828.

6928.

Ersysiphe graminis f.sp.tritici, infection, genes, Triticum aestivum, cell walls chemical composition association 9476.

Erwinia stewartii with, plant breeding, Zea mays 1346.

Erysiphe cichoracearum, powdery mildew, Helianthus 1278.

Erysiphe graminis f.sp.hordei, powdery mildew, induction Erysiphe graminis f.sp.hordei incompatibility races, Hordeum vulgare 1362.

Erysiphe graminis f.sp.tritici powdery mildew, Triticum aestivum, inheritance 9464.

Erysiphe poligoni, powdery mildew, Lupinus 9467. Eucalyptus regnans, Phytophthora cinnamomi infection, intraspecific relationships 8653.

8653.
factors affecting, Triticum aestivum, footrot, Pseudocercosporella herpotrichoides 4087.
Festuca arundinacea, plant breeding, crown rust, Puccinia coronata 448. fungi, infection, Maleleuca quinquenervia 5086.
fungi pathogens, association, Hordeum spontaneum fertility 6759.
fungi, plant breeding, Gramineae 2241.
Fusanium oxysporum f.sp.ciceri, wilt, inheritance, Cicer arietinum 4062.
Fusanium oxysporum f.sp.cipini, wilt, Lupinus albus 9461.
Fusanium dum, wilt, screening, Cajanus cajan 1367.
fusiform rust, genotype-environment interactions, Pinus taeda 6908.
fusiform rust, pinus 4148.
genes, Avena sativa, virulence, Puccinia coronata 5035.

fusitorm rust, pinus 4148.
genes, Avene sativa, virulence, Puccinia coronata 5035.
genes identification, Oryza glaberrima, rice yellow mottle virus infection 4968.
genes (Lactuca sativa, downy mildew, Bermai lactucae 3126.
genetic analysis, wheat mosaic virus infection, Triticum aestivum 2240.
genetic factors, host-pathogen interactions, plants 486.
genetic relationship, disease tolerance, Capsicum annuum × Capsicum chinense,
pepper mottle virus 4993.
germplasm, Sclerospora graminicola downy mildew, Pennisetum typhoides,

geninaam, someone general productivity 473.
Glycine max, Phytophthora megasperma f.sp.glycinea infection, host-pathogen interactions 8615.

Gycine max, Phytoprinoria megasperma r.sp.gycinea infection, nost-pamogen interactions 8615.

Glycine max, Phytophthora megasperma var.sojae, agglutinins relationship 1371.

Glycine max, Scierothina scierothorum infection 1359.

Glycine max, Scierothina scierothorum infection 1733.

Glycine max, stem rot, measuring techniques 6869.

Glycine max, stem rot, measuring techniques 6869.

Gossypum, wilt, Verticillium dahliae infection, Rotylenchulus reinformis effects on 8612.

Gossypum, wilt, Verticillium dahliae, Fusarium oxysporum f.sp.vasinfectum 4086.

Gramineae, leaf rust, Puccinia, histology 2264.

Gramineae, leaf rust, Puccinia, histology 2264.

Gramineae, leaf rust, Puccinia, histology 2264.

Heimithosporium sattivum leafspot, heredity, Triticum aestivum 3121.

Heimithosporium sattivum leafspot, heredity, Triticum aestivum 3121.

Heimithosporium sattivum leafspot, heredity, Triticum aestivum 3126.

Heimithosporium sattivum leafspot, heredity, Triticum aestivum 3127.

Heredita automaticum aestivum 3128.

Heredita automaticum aes

Disease resistance, (continued)
Hordeum vulgare, Erysiphe graminis f.sp.hordei infection, association, MI-a locus Hordeum vulgare, esterase, proteins, powdery mildew, Erysiphe graminis

Hordeum vulgare, genes, selection, virulence, Erysiphe graminis f.sp.hordei, powdery mildew 8550. f.sp.horder 4060.

Hordeum vulgare, genetic analysis, virulence, Erysiphe graminis f.sp.hordei 8607. Hordeum vulgare, powdery mildew, association, age, growth rate, carbohydrate composition, amino acid composition 6857.

Hordaum vulgare, powdery mildew, association, age, growth rate, carbohydrate composition, amino acid composition 8857.
Hordaum vulgare varieties, powdery mildew, mechanisms 4089.
induction, Colletotrichum lagenarum infection, Cucumis sativus 444.
induction, Cucumis sativus, Fusanum oxysporum f.sp.cucumennum wilt 465.
infection, fungl, bacteria, viruses, stimulation, plants 3120.
inheritance, Vicia faba, rust, Uromyces viciae-fabae 2253.
Isanopsis graseola, Colletotrichum lindemuthanum, genetic variance, Phaseolus vulgars 6863.
Kabatiella zaea eyespot, plant breeding, Zea mays 9456.
leaf bight, Exserohilum furcicum, HtN gene, Zea mays 5710.
leaf rust, Hemilieia vastatrix, detection, methodology, Coffea canephora 2261.
leaf rust, Hordeum, genes, histology 2265.
leafspot, Cercospora arachidicola, genetic analysis, Arachis hypogaea 452.
leatspot, Leaf rust, sheath blight, Sorghum vulgare 1366.
Lespedaza cuneata, Rhizotonia blight, plant breeding 6866.
Lolium, Pyricularia grisse infection 1363.
Lycopersicon esculentum, rebection 3163.
Lycopersicon esculentum, speck 1381.
Lycopersicon esculentum, wilt, Pseudomonas solanacearum wit 6791.
inaize dwaf mosaic virus, genes, levels, genetic analysis, plant breeding, Zea mays 4949.
Inaize dwaf mosaic virus, genes, levels, genetic analysis, plant breeding, Zea mays 4949. aize dwarf mosaic virus, genes, levels, genetic analysis, plant breeding, Zea mays 4092.

mays 4092.

Malus, Podosphaera leucotricha powdery mildew 7739.

Malus rootstocks, canker, Basidiomycetes 2259.

Malus rootstocks, canker, Basidiomycetes 2259.

Manihot esculenta, Xanthomonas campestrs pv.manihotis infection 2230.

mechanisms, Colletotrichum coffeanum, seedlings, Coffea arabica 479.

Medicago, sativa, infection, bactera, fungi 7750.

Medicago sativa, leafspot, screening 6860.

Medicago sativa, leafspot, screening 6860.

Medicago sativa, leafspot, screening 6860.

Medicago sativa, wilt, Fusarium oxysporum f.sp.medicaginis, virulence 3914. Medicago sativa, wilt, Fusarium oxysporum f.sp.medicaginis, soil moisture, effects on 4097.

Melampsora medusae leaf rust, role, temperature, Populus deltoides, Populus

euramericana 6911. https://doi.org/10.1009/10.

Meloidogyne incognita, relationship, potato virus Y infection, Nicotiana tabacum

9432."
mildew+frost, Vitis vinifera, nitrogen metabolism 7688
mildew, Erysiphe graminis, relationship, cytokinins levels, grain, Triticum
aestivum, Hordeum vilugare 2249.
Morus, extracts antifungal activity 4084.
Nectria galligena, benzoic acid production, fruits, Malus pumita 4081.
Nicotiana, Plant breeding, blue mold, powdery mildew, wildfire 1339.
Nicotiana, Pseudomonas fluorescens, induction 3131.
Nicotiana tabacum, Erysiphe cichoracearum, white mold 4091.
Nicotiana tabacum, not-pathogen interactions, tobacco mosaic virus 2170.
Nicotiana tabacum, not-pathogen interactions, tobacco mosaic virus 2170.
Nicotiana tabacum, not-pathogen interactions, tobacco mosaic virus coat protein
6848.

6848
Nicotana tabacum, white mold, Erysiphe cichoracearum 4074.
Oryza sativa, genetic relationship, nce stripe virus, rice dwarf virus 6773.
Oryza sativa, inheritance, Xarthoronae campeestris pv.oryzae blast, Oryza sativa, inheritance, Xarthoronae campeestris pv.oryzae blast, Oryza sativa, tungro virus 5812.
Oryza, Selterotum oryzae stem rot 9469.
peanut mottle virus, soybean mosaic virus, inheritance, Glycine max 9463.
Peronospora parasifica, downy mildew, penetration, Pisum sativum 3142.
Peronospora viciae, downy mildew, penetration, Pisum sativum 3142.
Phakopsora pachyrhizi rust, inheritance, genetic analysis, Glycine max 6858.
Phaseolus vulgaris, Colletotrichum lindernuthranum 4068.
Phaseolus vulgaris, Pyseudomonas vulgaris fichit, bean common mosaic virus moses.

1360.
Phaseolus vulgaris, Pseudomonas vulgaris blight, bean common mosaic virus mosai disease, Colletotrichum lindemuthianum anthracnose 5815.
Phaseolus vulgaris, Xanthomonas campestris pv.phaseoli blight, tropical environments 5052.

environments 5052.

Phialophora gregata stem rot, plant breeding, Glycine max cultivars 5040.

Phialophora gregata stem rot, plant breeding, Glycine max 9457.

Phialophora gregata stem rot, plant breeding, Glycine max 9457.

Phytolacia, Avena sativa, crown rust, Puccinia coronata I.sp. avenae 1353.

Phytolacoa americana, relationship proteins antiviral activity, reviews 9478.

Phytopathora cinnamomi experimental infection, Chamaecyparis lawsoniana 472.

Phytophthora drechsleri I.sp. cajani, plant breeding, Cajanus cajan 5038.

Phytophthora drechsleri, seedlings, Cucurbitaceae 1364.

Phytophthora megasperma, natural selection, Glycine max 330.

Phytophthora megasperma I.sp. glycinea, infection, Glycine max, phenotype mixing 1373.

Phytophthora megasperma f.sp.glycinea, infection, Glycine max, Rps6 gene, role 2252.

2552.
phytotoxins, plants, India, reviews 1369.
Picsa abes, fungi wound infection 4176.
Picsa abes, fungi wound infection 4176.
Pinus Gremmeniella abietina infection 3175.
Pinus radiata, Diplodia pinea infection, genetic analysis 3169.
Pisum sativum (utivars, downy mildew, Peronospora viciae, sporulation 3141.
Pisum sativum, Mytosphaerella pinodes infection, Ascochyta fabae effects on 480.
Pisum sativum, wilt, Fusarium oxysporum f.s.p. pis., electrophoresis 4065.
plant breeding, Praseolus aureus, mungbean yellow mosaic virus 446.
plant diseases, epidemiology, host-pathogen interactions, genetic factors, books 9998.

plant dise 9998.

```
Disease resistance, (continued)
```

plant diseases, plant breeding, genetic analysis, conferences 7278, plant diseases, plant breeding, reviews 2971.
Plasmodiophora brassicae, evolution, Brassica oleracea var.botrytis 6861.
potato virus M, gene Gm, hybrids, Solanum gourlayi Solanum tuberosum 2247 potato virus X, genes, Solanum tuberosum 3119.
potato virus X, Nicotiana tabacum 2271.

powdery mildew, Erysphe gramins, calcium nitrate, potassium phosphate, effects on, Triticum aestivum, Hordeum vulgare 378, powdery mildew, Erysphe polygoni, genetic analysis, Beta vulgaris 4096 powdery mildew, Hordeum 482.

powdery mildew, plant breeding, Zinnia elegans × Zinnia angustifolia interspectic hybridization 7729.

Prunus persica, Leucostoma cincta infection 3963.
Pseudomonas glycinea, agglutinins, leaves, Glycine max 3128.
Pseudomonas lachrymans, Colletotrichum lagenarium, induction, Cucumis sativus Pseudomonas lachrymans, inheritance, Cucumis sativus 6851.
Pseudomonas syringae pv.tomato, speck, Lycopersicon esculentum 5049.
Pseudomonas syringae pv.tomato, speck, plant breeding, Lycopersicon esculentum

Posudomonas tomato speck, inheritance, Lycopersicon 5036.
Puccinia arachidis rust, Cercosporidium personatum leafspot, cultivars screening, Arachis hyogaca 9475.
Puccinia graminis f.sp.tritici, stem rust, role proteins metabolism, Triticum

Arachis hypogaea 9475.

Puccinia praminis 1.sp.tritici, stem rust, role proteins metabolism, Triticum aestivum 4075.

Puccinia heilanthi, rust, germplasm screeining, Helianthus annuus 4064.

Puccinia hordei leaf rust, association colonies abortion, Hordeum vulgare 4057.

Puccinia hordei leaf rust, association colonies abortion, Hordeum vulgare 4057.

Pytenophora bromi, Bromus inermis, screening, leafspot 9458.

Pythium myriotylum, germplasm, Arachis hypogaea 9474.

Raphanus sativus, scab, Streptomyces scabies 2268.

Raphanus sativus, scab, Streptomyces scabies 2268.

Relationship, yield, economic importance, tobacco mosaic virus infection, Nicotana tabacum 9395.

Ribbes nigrum, powdery mildew, Sphaerotheca mors-uvae 7748.

role cellulase hydrolysis, lignin formation, Avena sativa 5053.

root rot, Phytophthora megasperma I.sp.medicaginis, Medicago sativa 3913.

rot rot, Phytophthora megasperma I.sp.medicaginis, Medicago sativa 3913.

rot, Phytophthora megasperma I.sp.medicaginis, Medicago sativa 3913.

rot, Evrinia chrysanthemi. Solanum tuberosum subsp.andigena 3132.

Rubus idaeus, Botrytis cinerea infection 466.

rust, Cronarium quercuum f.sp.fusiforme, Pinus taeda 5805.

rust, Dactylis glomerata, screening, phenotypes, genotypes 6856.

rust, Puccina hordei, Hordeum vulgare, Pa gene 1349.

Saccharum officinarum, smut 2258.

Saccharum officinarum, smut 2258.

Saccharum officinarum, smut 2258.

Sclerothium oryzae, plant breeding, Arachis hypogaea 1342.

Sclerothium oryzae, plant breeding varietis in hypogaea 1342.

Sclerothium oryzae, plant breeding varietis in hypogaea 1342.

478.

Septoria nodorum, seasonal variation, Triticum aestivum 6781.

Septoria tritici infection, Triticum 8620.

smut, Saccharum, heritability, diseases grades comparison yield 6859.

Solanum melongena cultivars companson, Verticillium dahliae wilt 6853.

Solanum phureja, Pseudomonas solanacearaum infection, temperature effects on 434.

Solanum, Pseudomonas solanacearaum infection 2269.

Solanum tuberosum, adaptability, Phytophthora infestans, late blight 8621.

Solanum tuberosum, hypersensitive response, role, Phytophthora infestans 3144.

Solanum tuberosum, post-harvest decay, Erwinia chrysanthemi, storage effects on 7721.

7721.

Solanum tuberosum, Pseudomonas solanacearum infection, factors affecting 3107. soybean mosaic virus, inheritance, Phaseolus vulgaris 6855. soybean mosaic virus, strains, Glycine max 6839. Sphaerofhea, plant breeding, Ribes nigrum, × Ribes rubrum 1345. stem rust, genetic analysis, Trificum aestivum 1348. stem rust, plant breeding, Triticum aestivum 447. stem rust, Puccinia graminis f.sp.tritici, Triticum aestivum, genetic analysis

453.
stem rust, Triticum aestivum, genetic control 7731.
stem rust, Triticum aestivum, Hungary 7735.
stem rust, Triticum turgidum, genetic control 7728.
Stemotaphrum secundatum, Panicum mosaic virus infection 3117.
Stemotaphrum secundatum, Panicum mosaic virus infection 9470.
stimulation, models, tobacco mosaic virus, Nicotiana tabacum 8617.
stripe rust, Puccinia striiformis, Triticum, genetic analysis 1344.
Telfatirai occidentalis, mosaic disease 5042.
Thielaviopsis basicola, black pod, plant breeding, Arachis hypogaea 9465.
tobacco etch virus infection, screening Nicotiana tabacum 1382.
tobacco mosaic virus, callus deposition, role boron, Nicotiana tabacum, Phaseolus virularis 1377.

vulgaris 1377.
tobacco mosaic virus, Capsicum annuum 3109.
tobacco mosaic virus, hypersensitive response, Nicotiana tabacum 3110.
tobacco mosaic virus, inheritance, plant breeding, Nicotiana tabacum 3115.
tobacco mosaic virus, protato virus X, role peroxidase, Nicotiana tabacum 2162.
tobacco mosaic virus, proteins, Phaseolus vulgaris 8608.
tobacco recrosis virus, protein composition, leaves, Cucumis sativus, Vigna
sinensis 9460.

9455.

bmato bushy stunt virus, leaves. Gomphrena globosa 1378. Trifolium pratense, Sclerotinia trifoliorum root rot 2251. Trifolium pratense, Trifolium repens, white clover mosaic virus 331. Triforum aestivum, cephalosporium gramineum, genetic variance 7747. Trificum aestivum cultivars, plant breeding, leaf rust, Puccinia recondita 1.sp. trifici 1338.

Triticum aestivum, genes, powdery mildew, Erysiphe graminis 2256.
Triticum aestivum, genetic factors, rust, Puccinia graminis f.sp.tritici 3125.
Triticum aestivum, glume blotch, plant breeding 3123.
Triticum aestivum, leaf rust, genetic control, computer applications, USA, North

Triticum aestivum, loose smut, Ustilago tritici 8624.

Triticum aestivum, plant breeding, height, leaf blotch, Septoria tritica 454.

Triticum aestivum, plant breeding, stem rust, Puccinia graminis f.sp.tritici

Disease resistance, (continued)

isease resistance, (continued)
Triticum aestivum, powdery mildew. Erysiphe graminis f.sp.tritici 2263.
Triticum aestivum, screening, Erysiphe graminis f.sp.tritici infection 1347.
Triticum aestivum, seeding blight, Fusarium graminearum 4072.
Triticum aestivum, Septone nodorum infection, genetic analysis 458.
Triticum aestivum, Septone nodorum infection, genetic analysis 458.
Triticum aestivum, teasuring techniques, DNA hybridization 449.
use, prediction, late blight, Phytophthora infestans, Solanum tuberosum 8622.
Ustitago loose smut, genetic analysis, Triticum aestivum 7744.
Ustitago scitaminea smut, markers, glycosides, buds, Saccharum officinale 9359.
vegetable marrow mosaic virus, germplasm, Curcurbita pepo 3116.
Verticillium dahliae, bioassays, detection, Solanum tuberosum, tissues 9083.
Verticillium dahliae, bioassays, detection, Solanum tuberosum, tissues 9083.
Verticillium dahliae, bioassays, detection, Solanum tuberosum, tissues 9083.

504s.

Verbruillium wilt, Medicago sativa plant breeding 7669.

Vigna mungo, mung bean yellow mosaic virus infection, genetic analysis 3137.

Vigna radiata, yellow mosaic vrus 5906.

Vigna unguiculata, cowpea aphid-borne mosaic virus infection 3139.

Vigna unguiculata, Xanthomonas campestris pv. vignicola infection 9471.

viruses, chemicals, induction, plants, reviews 7751.

Viruses, chemicals, induction, plants, reviews 7751.

Vitis vinifera, Cucumis sativus, Triticum, powdery mildew, cultural conditions

2250.

Vitts unifera, tomato ringspot virus infection 5054, white mold, Sclerotinia sclerotiorum, plant breeding, Phaseolus 1365, wilt, Fusarum oxysporum infection, screening, Glycine max 1372, wilt, Medicago sativa, inheritance 6862, with, Medicago sativa, inheritance 6862, with, Medicago sativa, inheritance 6862, with, Pseudomonas solanacearum, Solanum tuberosum, biological control 5833. Xanthomonas oryzae leaf blight, Oryza sativa, germplasm analysis 5811. yellows, etiology, raspberry bushy dwarf virus, Rubus 464. Zea mays, Cochliobolius carbonum infection, inheritance 455. Zea mays, Diologia mayellis, stalk for Ostrinia unibilisiis (infectation effects on

Zea mays, Diplodia maydis, stalk rot, Ostrinia nubilalis infestation effects on

Soa mays. Helminthosporium maydis, mitochondria proteins electrophoresis 8616. zea mays. Ht gene, virulence, leaf blight, Exserphilum tunicium 1370. Zea mays, infection, Bjoldaris maydis, Colletotrichum graminicola, comparison

4069.

Zaa mays, maize dwarf mosaic virus infection, Hungary 7745.

Zae mays, maize dwarf mosaic virus infection, inheritance 6841.

Zaa mays, Peronosclerospora sorghi infection, pathogenesis association 4085.

Zaa mays, plant breeding, maize dwarf mosaic virus 6604.

Zaa mays, seedlings, ear rot, blight, Fusarium graminearum 1361.

Disease spread,

blue mold, Peronospora tabacina, spores release, wind, Nicotiana tabacum 4995.

Ceratocystis wageneri infection, Pinus ponderosa 1451.

Drechslera graminea, leaf stripe, temperature, seed treatments, effects on, Hordeum vulcare 1425.

Drechsiera graminea, leaf stripe, temperature, seed treatments, effects on, Hordeum vulgare 1425.
Glomerella cingulata, ascospores, epidemiology, Malus domestica 8570.
Herpes simplex virus, man, excretion, herpes labialis, surfaces viability 3491.
late blight, Phytophthora infestans, Solanum tuberosum, mathematical models 9381.
Lephodermella arcuata infection. Prinus lamberiana, effects on growth 1461.
Phéllmus weirii, root rot, Pseudotsuga menziesii 5072.
Phytophthora infestans, Solanum tuberosum, field trials, mathematical models 8593.

18993.

Jiant diseases, crops, models 366. plant diseases, mathematical models 9382. plant diseases, vuruses, agricultural practices, reviews 2978. potato virus S infection, solanum tuberosum 2158. potato virus Y infection, Solanum tuberosum, control, use, minerals oils sprays or potato virus Y infection. 1243

1243.
Pseudomonas persicae, Prunus persica, orchards 4972.
Pseudomonas syringae pv.lachymans, rhizosphere, roots, Cucumis sativus 4997.
Pseudomonas syringae pv.lomatio, speck, environmental factors, Lycopersicon esculentum 1297.
Quercus wilt, epidemiology 1462.

Cuercus wiii, epiceffiology 1462. Rhizoctonia solarii infection, Solarium tuberosum, factors affecting 6789. rust, Gramineae, monitoring, weather satellities 1166. scab, Carya illinoensis, Fusiciadium effusum infection, factors affecting 1202. shigellosis, hand washing effects on, man, Banjadesh 5356. tissues, piant diseases, mathematical models 1117. tomato yellow leaf curl virus, cultivation techniques, Lycopersicon esculentum

1236 varicella, man, nosocomial environments, airborne microorganisms 3490. viruses, callus, Chrysanthenum, Lycopersicon esculentum 5793.

viruses, callus, Chrysanthenum, Lycopersicon esculentum 5793.

Disease tolerance,
barley yellow dwarf virus, Triticum aestivum 365.
genetic relationship, disease resistance, Capsicum annuum× Capsicum chinense,
pepper mottle virus 4093.
Phytophthora root rot, Glycine max, plant breeding, USA, Ohio 7656.

Disease transmission,
Abbiddise protect virus Strains, isolation, North America, Chenopodium quinna.

Aphididae, potato virus S strains, isolation, North America, Chenopodium quinoa

Aphididae, Solanum tuberosum, potato virus Y, potato virus X, potato virus S, potato leaf roll virus, USA 6814.

Aphididae, viruses, plant diseases 1122.

arabis mosaic virus, Xiphinema diversicaudatum, disease control, fumigation, Lilium tigrirum 6871.

bacteria, bilght, Pierce's disease, Oncometopia nigricans, Citrus 1204.

banan mosaic virus, Aphis gossypii, Musa sapientum 3092.

barley stiple mosaic virus, Avena fatua, Hordeum 3002.

barley yellow dwarf virus, infection, Hordeum vulgare, Avena sativa, effects on, Stobion avenae, Rhopaisphum padi 8553.

barley yellow dwarf virus infection, Hordeum vulgare, vectors 3003.

barley yellow dwarf virus infection, Hordeum vulgare, vectors 3003.

barley yellow dwarf virus infection, Hordeum vulgare, vectors 3003.

barley yellow dwarf virus, role, Schizaphis graminum, Rhopalosiphum padi, USA, Missouri 1164.

barley yellow mosaic virus, Hordeum vulgare 5729.

Missouri 1164.

barley yellow mosaic virus, Hordeum vulgare 5729.

bean yellow mosaic virus infection, Vicia faba 1128.

beet mildy ellowing virus, potato virus Y, beet yellows virus, vectors, Myzus persicae, disease control, deltamethrin, Beta vulgaris 467.

beet yellows virus, potato virus Y, alarm pheromone derivatives effects on, Myzus persicae 3108.

Bereiloi tablezir, mung bean yellow moseic virus. Thatland 6813.

persitate 3 100. Bemisia tabaci, mung bean yellow mosaic virus, Thailand 6813. bunchy top, viruses, Pentalonia nigronervosa, Musa paradisaca 7677. canker, Endothia parasitica, Castanea dentata, role, Acarina, USA, Virginia, USA,

West Virginia 6925 cassava common mosaic virus, Manihot esculenta 1232. charcoal rot, Cylindrocopturus adspersus role, Helianthus annuus 9444.

isinfection, (continued)
pathogens, sewage sludge 8936.
pathogens, sewage sludge, conferences 9096.
pathogens, sewage sludge, conferences 9096.
phage ΦX174, indicators, methodology 7964.
radiation, feeds, microorganisms distribution 7605.
sewage sludge, γ radiation, pathogens reduction 8935.
sewage sludge, electrons, radiation 8927.
skin, antimicrobial agents, man, rooks 6359.
skin, topical application artimicrobial agents, man, reviews 6278.
sludge, pathogens, wastewater treatment 9805.
soil, association, vegetables contamination, bacteria 3253.
spoilage bactena, industrial water systems, breweries 5321.
standardization, bacteria 6085.
disconsiderion, bacteria 6085.
U.V. radiation, Bacillus subtilis contamination waste water a 3472.
veternary medicine, stenligization 6274.
waste water, microbiology, methodology, bibliographies 1698.
wastewater treatment 8926.
water, bacteria contamination, cleaning systems, milking machines 5342.
Napersal, Disease transmission, (continued) cucumber mosaic virus, Aphididae, Phaseolus vulgaris 7654. Deltocephalus fiavicosta, Mycoplasma-like organisms, phyllody, Catharanthus roseus 7694. diarrhea, role, Eschenchia coli food contamination, children, Bangladesh 4847 Fusarum udum witi, Isoptera, Cajanus capan 2987. grening, Cuscuta role, Citrus sinensis, Vinca rosea 9448. maizie dwarf mosaic virus, plant viruses vectors, Schizaphis graminum, Gramineae maize white line mosaic virus infection, plants, USA, Ohio 1200.
Mollicutes, X disease, Colladonus montanus, Prunus 4973.
mycoplasma-like organisms, Euscelis obsoletus, Macrosteles sexnotatus, plant diseases 3399. diseases 3999 mycoplasma-like organisms stunt, Allygus mayri vectors, Rubus 2169. mycoplasma-like organisms stunt, Allygus mayri vectors, Rubus 2169. mycoplasma-like organisms stunt, Allygus mayri vectors, Rubus 2169. Mycoplasma-like organisms, properties of the state of the st pisum, Pisum sativum 2101.
peanut clump virus, Arachis hypogaea 6736.
Phytophthora cınnamomi dieback, Eucalyptus marginata, pathogenesis 9523.
plants, viruses, Nematoda, association feeding behavior 1121.
potato leaf roli virus, Myzus persicae, leaves age, Solanum tuberosum 2182.
potato leaf roli virus, Myzus persicae, storage conditions, potatoes 7720.
rinovirus, household products, surfaces, man 804.
rice gall dwarf virus, Nephotettix vectors, Oryza sativa 4987.
rice gall dwarf virus, Recilia dorsales, Nephotettix, nigropictus, Oryza sativa Disposal. Disposal, sludges, treatment, bibliographies 1697.

Dissemination, pathogens, biological control, pest control, Insecta 994.

Dissolved organic carbon, effects on carbon dioxide gas production, soil, Japan 8668.

Dissolved oxygen, effects on continuous culture reactors, nitrifying bacteria, wastewater treatment 1705. rice tungro virus, Nephotettix virescens vectors, Oryza sativa 360 role, milk, reviews 211. nos tungro virus. Nephotettix virescens vectors, Oryza sativa 360. role, mik, reviews 211.
southern bean mosaic virus, Epilachna varivestis, Cerotoma trifurcata, feeding, repurgitation, Phaseolus vulgaris 6738.
Spiroplasma citri, host plants, feeding, Circulifer tenellus, vectors 4920.
Spiroplasma citri, Macrosteles fascifrons 6803.
tobacco streak virus infection, plants 1126.
tomato bushy stunt virus, vectors, man, Lycopersicon esculentum 1308.
tomato ingspot virus, Xiphinema rivesi, Xiphinema americanum, orchards 2142.
Trialeurodes vaporariorum, beet yellows virus infection, Cichorium endivia,
Lactuca sativa, Cucumis sativus 9431.
urdbean leaf crinikel virus infection, Vigna radiata, benomyl effects on 3152.
vectors, Bemisia tabaci, soybean crinide leaf virus infection, Glycine max 5672.
vectors, research programs, biological control, insecta 1029.
Vigna unguiculata, vectors, cowpea banding mosaic virus, cowpea necrosis virus,
cowpea chlorotic spot virus 5673.
virus-like particles, Bemisia tabaci, sida alba, Gossypium hirsutum 2199.
virus-s, mycoplasma-like organisms, citrus 3970.
vitas, grapevine yellow speckle disease 3070.
vatermelon mosaic virus, vectors, Aphididae 4986.
Vertors, pea en Chilordrostirius associations and control to the control of the co effects on, sulfur dioxide formation, Saccharomyces uvarum, fermentation, wort 7518. To 10 material models, microbial pollution, coastal waters, estuaries 9813. psychrotrophic bacteria, growth, milk, cold storage 239 role steel corrosion, heterotrophic bacteria, sea water 9626, transfer, lignm biodegradation, Phanerochaele chryosoporium 5588. Distribilis spicata, proportizas effects on association salinity 5098. vesicular-arbuscular mycomhizas effects on, association saining busi Distilled water, antibacterial activity, chlorine residual effects, Escherichia coli 2462. buscular mycorrhizas effects on, association salinity 5098. Distilleries, **sutieries**, industrial effluents, Candida tropicalis, growth conditions 9231. industrial effluents, single-cell protein production, Candida utilis, chemical composition 91. Malus purnila, Aspergillus niger, wastewater freament 8054. whiskey, wastes, fungi mixed culture, protein biosynthesis 15. Disulfide reductase, Bacillus megaterium spores, isolation, purification, characterization 1878. Disulfoton, effects on, rhizosphere microorganisms, Rhizoctonia solani, Verticillium albo-atrum, witt, Solanum tuberosum 1512. 1210.
Diseases,
forests trees, Cylindrocladium scoparium, Malaysia 2316.
Gossypium seedlings, bacteria, fungi, disease control 2225.
identification, Glycine max, computer applications, USA, Illinois 4942.
Lupinus, fungi, viruses, association, crop rotation 4985.
Vits vinifera, fungi, characterization 5026. soil microorganisms respiration, effect on 5974.

Ditalimfox,
antifungal activity, tolerance, Ampelomyces quisqualis 1401.

Diterpene lactones,
Spongia officinalis, antibacterial activity 8769.

Diterpenelode,
Stoechospermum marginatum, antibacterial activity, Staphylococcus aureus 3315.

Dithlobis (succimidyl propionate),
cross-linking citrate (si)-synthase, effects on allosteric properties,
Acmetobacter calcoaceticus 4676.

DithlobisIpropionimidate,
cross-linking, cytochrome c binding sites, reaction centers, Rhodospseudomonas
sphaeroides 3651.

Dithlocarbamates,
synthesis, antifungal activity 3153. soil microorganisms respiration, effect on 5974. Vitis virillera, hanging the properties of the p water temperature, hygiene, disintection 4-50.

Disinfectanta,
aerosols, airborne microorganisms 5346,
aerosols, sanitation, nosocomal environments 806,
antibacterial activity, Campylobacter fetus subsp.jejuni 5169,
antibacterial activity, Klebsiella ozaenae 2434,
antifungal activity, Klebsiella ozaenae 2434,
antifungal activity, Prosespheera apis, Aspergillus flavus 4304,
antivirolisial activity 7704,
antiviral activity, effication methodology 9694,
glutaraldehydes based, evaluation, dialysis systems, antibacterial activity,
Mycobacterium 7207,
optimum concentrations, antimicrobial activity 2498. synthesis, antifungal activity 3153. Ditrisarubicins, physicochemical properties, antimicrobial activity 9778.

Dityrosine,
detection, cell surface, Staphylococcus aureus 1834. optimum concentrations, antimicrobial activity 2498.
organic matter, effects on, antimicrobial activity 7117.
orthophenylphenol, paraformaldehyde, calcium oxide, antibacterial activity, coliforms 8982. Diurnal variations, actinorhizas, nitrogen fixation, nodules, Ceanothus velutinus 9513. respiration, soil properties, tropical environment, forests, pasture 1493. Trifolium repens, nitrogen fixation, acetylene reduction 609. DL-u-amino-c-caprolactam, use, lysine production, Cryptococcus, Pseudomonas 6395. coilforms 9982.

teat dips, udder hygiene, in vitro susceptibility, Staphylococcus aureus 6038.

DisInfection,
apparatus, copper pipelines, bacteria growth 5344.
bacteria, antiseptics, hospitals 5347.
bacteria, antiseptics, hospitals 5347.
bacteria, antiseptics, hospitals, man 5348.
bacteria, environmental hygiene 5349.
bacteria, food processing 4842.
bottles, bottle feeding, bacteria, infants, man 800.
chickens feeds, y radiation effects on 8492.
chlorine, chlorine dioxide, iodine, bromine chloride, poliovirus 2468.
chlorine, cishrashers, water temperature 4458.
dentistry equipment, bacteria, use, water sprays 5335.
Dermacentor marginatus, tissues fixation, methodology, diagnosis, tularemia 1774.
diapers, chemicals 801.
drinking water, hepatitis A virus, indicator species, inactivation, chlorine, pH
effects on 9812.
drinking water, Mycobacterium, ionizing radiation 3487.
glutaraidehyde, endoscopes 5338.
hand, demistry, man 9868.
hand, germicides, man 816.
hand, demistry, man 9868.
hand, germicides, man 816.
hospitals, gordinkins, 3006
hygiene, water temperature, dishwashers 4455.
ionizing radiation, drinking water, Mycobacterium 2500.
man, hospitals, association, nosocomial infection 3508.
microorganisms, wastewater treatment, ozonation 5324.
czone, waste water 5297. teat dips, udder hygiene, in vitro susceptibility, Staphylococcus aureus 6038. DNA, 4 acetoxy-1,4-benzoxazin-3-one interaction, role antifungal activity, mutagenesis 4309. adenovirus, preparation methodology, infected cells 9017. analysis, Agrobacterium tumeraciens Ti plasmid, Nicotiana tabacum crown gall 7690. nosu.
antibiotics complex, C.D. 7971.
base composition, electrophoresis, bacteria 7254.
binding, bactiracin, physicochemical properties 7157.
binding olivornycin, fluorescent probes 8013.
binding, phage ΦX174, association, arithracycline antibiotics inactivation 1582. closed circular, association nitrofuran resistance, Fusarium oxysporum 656. damage metabolites production, fungi, Streptomyces, detection, use Bacillus subfilis, rec gene, fungi 7246. dependent adenosinetriphosphatase, purification, characterization, Bacillus cereus 8264.

Escherichia coli, flow cytometry, methodology, clinical microbiology 6339, fragments. Bacteroides fragilis subsp. thetaiotaomicron, cloning, plasmids, association, identification 4487. association, iourinication 4-97. fragments ligation, polydeoxyribonucleotide synthetase (ATP), immobilized enzymes, phage T4 2755. fragments replication, Streptomyces antibioticus, association oleandomycin biosynthesis 8006. geminivirus, clones, nucleotide sequence role, Nicotiana benthamiana infectivity ozone, waste water 5297 homology, Rhizobium, Galega infection, taxonomic significance 8696.

Disinfection, (continued)

hybridization, measuring techniques, Triticum stem rust disease resistance 449. hybridization methodology, Yersinia enterocolitica detection, enumeration, food

contamination 9049.

Incorporation, vaccinia virus, 6-thioguanine effects on 9691.

Mycoplasmatales virus-laidiawii, replicative intermediates biosynthesis, chloramphenicol effects on 1625.

chloramphenicol effects on 1625.

Neurospora crassa, isolation, methodology 4511.

organization, Nicotiana tabacum, Agrobacterium tumefaciens crown gall 2202.

phages, antiviral activity, 7-N-(p-hydroxypheny))mitomycin C 1581.

physicochemical properties, Escherichia coli, association, dnacin B1 bactencidal activity 775

plasmids, isolation, characterization, electron microscopy, Escherichia coli 6340

6340
plasmids, isolation methodology, Eschenchia coli 9875,
plasmids, isolation, Streptococcus lactic acid bacteria 9047.
single-stranded, plant viruses, plant diseases 4923.
Staphylococcus aureus, isolation, methodology 8121.
Streptomyces kasugeaniss, cioning methodology 6313.
Superhelical, endodeoxyribonuclease cleavage, Escherichia coli 4691.
Ti plasmid, detection methodology, Agrobacterium tumefaciens 9980.
viruses, hybridization analysis, FINA, detection, plant cells 6299.
viruses, separation techniques 1739.
NA blosynthesis,
association, dioxidine antibacterial activity mechanisms 1557.
cytomegalovirus, antiviral agents activity, measurement, nucleic acids hybridization analysis 8798.
cytomegalovirus (human), antiviral activity.

hybridization analysis 8798.
cytomegalovrus (human), antiviral activity,
9-(1,3-dihydroxy-2-propoxymethyl)guanine, cell culture 9689.
Eschenchia coli, Bacillus subtilis, parabens, effects on 7120.
Escherichia coli, diauxie growth 8215.
herpes simplex virus, Pytolacca americana proteins inhibition 3368.
herpes simplex virus, 9-(2-hydroxyethoxymethyl)guanine inhibition, cell culture
8795.

Description of the control of the co

on 4980.

on 4980.
Streptococcus mutans, Streptococcus sanguis, antibacterial activity, cefoxitin, mecilinam 7135.
sulfochloranthine effects on, Escherichia coli 2456.
NA gyrase, purication, characterization, Pseudomonas aeruginosa 2753.
NA polymerase, genes, mutation, 9-(2-hydroxyethoxymethyl)guanine drug resistance, herpes simplex vitus 7874.

purification, characterization, Thermus ruber 6471.

Na polymerase I, genetic engineering of the state of the

bactericidal activity, association, DNA physicochemical properties coil 775.

NA(guanosine-6-)-methyttransferase, Escherichia coli, measuring techniques 868.

Dodecane, precursors, dodecanedioic acid biosynthesis, Candida tropicalis 1 obecanedioic acid, production, Candida tropicalis 14.

-Dodecanedioic acid, production, Candida tropicalis 14.

-Dodecanedioic acid, production, Candida tropicalis, immobilized cells 1840.

-Dodecanedioic acid, repellents, Myzus persicae, vectors, viruses, plant diseases 459.

-Dodecyt galiate, antibacterial activity 7084.

-Dodecytriethoxy sulfate, biodegradation, Pseudomonas 148.

-Doline, tingi cross-resistance, association fenarimol resistance 7022. dodecanedioic acid biosynthesis, Candida tropicalis 14.

fungi cross-resistance, association fenarimol resistance 7022. media (selective), Beauveria bassiana, Metarhizium 3631. resistance, Venturia, measuring techniques 7886.

resistance, Ventuna, measuring techniques / 296.

"90s,
antibody response, combined vaccines 3449.
immunity, immunogenicity, Bordetella bronchiseptica vaccines, preparation 785.
immunogenicity, vaccines, carine distemper virus, adenovirus (canine), parvovirus (canine) parainfluenza virus, Leptospira, bacterias 8924.
nutrient sources, microorganisms single-cell protein 3851.
parvovirus (canine) vaccines, antibody response, immunity 2599.

seed treatments, fungicides 2290.

Silera pot,
Silera nota homoeocama, resistance, iprodione, benomyl, Agrostris palustris

Sclerotinia homoeocarpa, resistance, iprodione, benomyl, Agrostris palustris

ose-response effects, antibiotics, antibacterial activity 2510. antimicrobial agents combination, antibacterial activity, Escherichia coli 7920. 8-lactam antibiotics, antibacterial activity 743.

Dothiorella aromatica,

stem roft, Persea gratisima, disease control, prochloraz 6833.

Dothlatrona pini,
needle biight, Pinus radiata, monoterpenes, effects on, spore germination 4143.

Dowco 444,

OWEC 444, seed treatments, effects on nitrogen fixation, disease control, Phytophthora megasperma f.sp.glycinea, Glycine max 8644.

Downy mildew.

howny mildew.

Beta vulgaris 2217.

Bremia lactucae, disease resistance, genes, Lactuca sativa 3126.

Bremia lactucae, metaiaxyl disease control, Lactuca sativa 5837.

Bremia lactucae, invita disease, control, Lactuca sativa 5837.

Bremia lactucae, virulence assays, Lactuca sativa 3091

Bremia lactucae, virulence, association, a

4061.
Peronosclerospora sorghi, host range, Gramineae 5700.
Peronosclerospora sorghi, symptoms, Zea mays 2122.
Peronospora effusa, seed-borne diseases. Spinacia oleracea 9423.
Peronospora manshurica, peroxidase activity, leaves, Giycine max 346.
Peronospora parasritica, disease resistance, Brassica napus, Brassica oleracea

4056.

Peronospora parasitica, fungicides disease control, Brassica pekinensis 8631.

Peronospora parasitica, Pseudoperonospora cubensis, Bremia lactucae, disease resistance, Cucumis sativus, Lactuca sativa. Brassica napus 8609.

Peronospora trifoliorum, Medicago sativa, USA, Wyoming 9330.

Peronospora viciae, penetration, disease resistance, Pisum sativum cutitivars 3141.

. 3147. Plasmopara halstedii, disease resistance, Helianthus annuus 4066. Plasmopara halstedii, effects on, metabolism, Helianthus annuus 3987. Plasmopara halstedii, Erysiphe cichoracearum, Sphaerotheca fuliginea, Helianthus annuus 4006.

Plasmopara halstedii, stimulation, phenylalanine ammonia-lyase kinetics, Helianthus annuus 9405.

Plasmopara viticola, fungicides resistance, measuring techniques, in vitro, Vitis vinifera 7890.

vinifera 7890.

Plasmopara viticola, growth, tissue culture, Vitis vinifera 1289.

Pseudoperonospora cubensis, Luffa acutanyula, polien, effects on, spore germination 5011.

Pseudoperonospora humuli, epidemiology, weather, Humulus humuli 3087.

Pseudoperonospora humuli, fungicides, disease control, Humulus lupulus 1403.

Sclerospora graminicola, pathogenicity, genotype-environment interactions, cultivars, Pennisetum americanum 6755.

Sclerospora graminicola, pathogenicity, statistical analysis, Pennisetum americanum 6756.

Sclerospora graminicola, Pennisetum americanum, disease control, metalaxyl seed treatments 9502.

Sclerospora graminicola, Pennisetum americanum, fungicides disease control 4116. Sclerospora graminicola, Pennisetum typhoides, germplasm disease resistance, productivity 473.

productivity 47.3. Sclerospora graminicola, susceptibility, plant breeding, cytoplasmic male sterility, Pennisetum americanum 5807. Sclerospora sorgini, population ecology, limiting factors, Zea mays 5698. Zea mays, resistance, germplasm, population genetics 8626. Zea mays, Sclerospora sorghi infection, Somalia 381.

Doxycyclin, Yersinia pestis antibiotic sensitivity testing 6110.

Versina pesis abundun samatan, ham Doxycycline, comparison, thiacycline, antibacterial activity 1637. sensitivity, Rickettsia rickettsii 1638. Dracaena marginata, Fusanum moniliforme infection, insecticides soaps, foliar applications 9486. leafspot, irrigation effects on pathogenesis 1274.

Drainage, mines. effects on, bacteria, community structure, lakes 8068.

Drainage systems, coal, waste water, bacteria, sodium lauryl sulfate, sodium benzoate, inhibition

8713.

Prechalera, hemicellulase, production 6404.
chemicals, artifungal activity 3336.
infection, Lolium perenne, Lolium multiflorum, incidence, British Isles 5721.
leatspot, Lolium, pathology 6768.

Drechalera cactivora,
stem rot, Rhipsaldicopsis gaertneri 1261.

stem rot, Hnipsaildopsis gaertneri 1281.

Drechslera gigantea,
eve spot, Zizania aquatica 1170.

Drechslera graminea,
antifungal activity, triademenol diastereoisomers 693.
infection, ethylene production, wounds 1183.
leaf stripe, lemperature effects on disease spread, Hordeum vulgare 1425.

Drechsiera halodes, germination, Phaseolus mungo 3924.

germination, raiseolus mungo 32-4.

Drechslera maydis, leaf blight, Zea mays, factors affecting epidemiology 6772. leaf blight, Zea mays, germplasm, incidence 2131. leaf blight, Zea mays, Tanzania 7673.

6010.
meetic animals,
meetic animals,
feeds, bacteria contamination 248.
feeds, bacteria contamination 248.
mycotoxicosis, mycotoxins, feeds contamination 9292.
Salmonelia isolation 3461.
baxicity, Escherichia coli toxins, gene transfer, phages conjugation 9315.
baxicity, Escherichia coli toxins, gene transfer, phages conjugation 9315.
mancy.
Maius burnila, Podosphaera leucotricha powdery mildew, fungicides treatment 1398.
Drechelera oryzae,
antifungal activity, courarins 8635.
brown spot, fungicides, treatment, Zizania aquatica 2272.
infection, Oryza sativa, phytoalexins inducers use seed treatments, induction,
hyperson, oryzae,
display, Forence or a manching for a mays, factors affecting epidemiology 6772.
leaf blight, Zea mays, factors affecting epidemiology 6772.
leaf bli

Drechiera rostrata, spoilage, Artocarpus lakoocha fruits 2238. Drechiera setariae, leafspot, Calathea, Maranta 9426. Drechiera sorghicola, leafspot, Corghum, eliology, pathogencity 9354. Drechiera sorokiniana, brown spot, fungicides, treatment, Zizania aquatica 2272. Infection, Gramineae, glucose effects on 3938.

Drug resistance, (continued)
Macrophomina phaseolina. fungiorides 650.
mechanisms, bacteria, timethoprim, sulfonamides, cotrimoxazole 6000,
mercury, hospitals, clinical isolates, Escherichia coli, Staphylococcus aureus Drechslera scrokiniana, (continued) leafspot, Poa pratensis leaves senescence, herbicides effects on pathogenesis pathogenesis, Poa pratensis sugars, amino acids, herbicides effects on 5718. 662.

methodology, identification, Salmonella typhi 7255.
2-O-methyladenosine, vaccinia virus, mutants 8739.
metronidazole, Clostridium perfungers mutants 3294.
Mycobacterium tuberculosis, clinical isolates, Korea Rep. 9656.
nitrofurazone, nitrofurantion, Escherichia coli mutants 3276.
novobucin, Aeromonas salmonicida subsp.salmonicida, temperature effects on 51
Pasteurella, animal isolates, cattle, respiratory tract diseases 7884.
Phytophthora megasperma, metalaziyl 1529.
plasmids, Vibro anguillarum, conjugation, Vibrio parahaemolyticus 6015.
Proteus 657.
Pseudomognas paucimobilis, antimicrofival apente 2512. Drechsiera terret.

Jean Spot, Hordeum vulgare 1173.
pathogenicity, Hordeum vulgare 1181.

Drechsiera turcica,
leat blight, Zea mays, antifungal activity, medicinal plants extracts 7756. Drinking, cow's milk, association Salmonella dublin infection, genatrics, man 5616. cow's milk, association Salmonella dublin infection, genatrics, man 5616.
Drinkling weter,
ammonifying bacteria, ammonium fermation 9817.
association, bacteria indicator species 797.
bacteria contamination, Egypt, rivers 2618.
bacteria soliates, chlorine resistance 633
bacteria levels, environmental monitoring 1717.
bacteria water isolates, multiplication 2631.
Campylobacter fetus subsp. jejuni, waterborne diseases 6260.
chlorination, Aeromonas sobria isolation, biochemical characteristics 6262.
coliforms, incidence, mathematical models 3464.
coliforms, media (isolation) 3569.
coliforms, membrane filtration, enumeration efficiency 3587.
contamination. coliforms identification, characterization, tropical environment 8978. Plasmiss, vision and julinatini, conjugatori, vision plasmas, vision and visio 8978. contamination, chepatitis A outbreaks, man 6261. contamination, hepatitis A virus, epidemiology, hepatitis A, man, USA, Pennsylvania 7202. disinfection, hepatitis A virus, indicator species, inactivation, chlorine, pH effects on 9812. disinfection, ionizing radiation, Mycobacterium 3487. Escherichia coli, Pseudomonas, antibiotic resistance 3480. incidence, Legionella 2624. inon-oxidizing bacteria, identification, isolation 9818. isolates, aerobic bacteria, artibiotic resistance, streptomycin 1533. isolation, Yersinia enterocolitica 8945. livestock, contamination, coliforms, fecal coliforms 8975. man, water-borne diseases, bacteria, viruses 2633. man water-borne diseases, bacteria, viruses 2633. microbial poliution, bacteria, indicator species, conferences 5454, microbial poliution, fecal microflora, hydrogen sulfice production detection 3478. 8978. timethoprim, transfer, urinary tract clinical isolates, Finland 9654. undecanoic acid, Trichophyton rubrum resistant mutant, triacylglycerol lipase, keratinase, phosholipase A, levels 7877. Drug sensitivity testing, rug seriatuvity teeting, anaerobic bacteria, reviews 6113. antimicrobial agents, books 10001. antimicrobial agents, Chlamydia psittaci 7087. antimicrobial agents efficacy, drug sensitivity testing, use, fungi, bacteria antmicrobial agents efficacy, drug sensitivity testing, use, fungi, bacteria 9702.

assays, herpes simplex virus 1, herpes simplex virus 2 6075.

augmentin, gram-negative bacteria, association, media factor analysis 2697. bacteria, animal isolates, pigs urinary tract, chemotherapeutos 2464. bioassays indicator speciese, Bacillus subtilis, Staphylococcus aureus, Micrococcus luteus, Klebsiella pneumoniae 6039.

Bordetella pertussis 7133.

Brevibacterium ammoniagenes, association 5'-inosinic acid production 8776. Campylobacter fetus subsp. jejuni 4292.

Cunninghamella bertholietiae, clinical isolates 692.

Curvularia lunata var.aera 7393

dapsone, Mycobacterium 2467.

Eikenella corrodens, agar dilution test, comparison, broth dilution test 2445. Escherichia coli, chlorine dioxide, relationship, growth conditions 667.

S-fluorocytosine, media methodology, Candida, Torulopsis 897. lungi, aculeacin A 4308.

Fusobacterium, Bacteroides 725.

gastroenteritis bacteria isolates 2521.

germicides, methodology, bacteria 5192.

Haemophilus parahaemolyticus animal isolates 5189.

herpes simplex virus 9,5-ethyl-2'-deoxyuridine 5219. 3478.

Mycobacterium, disinfection, ionizing radiation 2500.
parasites contamination, Egypt, rivers 2619.
rotavirus (simian) concentration, membrane filtration, flocculation 3538.
systems, fungi incidence 1722.
trace elements enrichment, manganese oxidation, bacteria role 9816.
viruses recovery, surface charge, filters 8096.
water analysis, reviews 2628.

Drosophila,
food sources, yeasts, rot, Opuntia stricta 3048.

Drosophila melanogaster,
mycotoxins pretreatment effects on aflatoxin B1 toxicity 7617.

Drought,
effects on aflatoxin B1 contamination. Zea mays 4927. Drought, effects on aflatoxin B1 contamination, Zea mays 4887, effects on Cytospora kunzei canker, Picea pungens 5079. Guercus mortality, association Hypoxylon atropunctatum canker 5074, relationship, Tilla cordata Cenococcum geophilum, symbiosis 4206. Drought tolerance, Allium cepa, Gromus etunicatus stimulation 4200. Triticum, vesicular-arbuscular mycorrhizas effects on 4185. Drug resistance, amantadine, remantadine, production, influenza A virus, variants, methodology 1546. amantadine, remantadine, production, influenza A virus, variants, methodology 1548.

amantadine, remantadine, production, influenza A virus, variants, methodology 1548.

antimicrobial agents, books 10001.
benomyl, Venturia inaequalis, characterization 7051.
Bortytis cinerea, methyl benizmidazol-2-yl carbamate 1527.

Barbadox, Rumoss, prodomo 1525.

Barbadox, Rumoss, prodomo 1525.

Citrobacter kosen 7933.

cotrimoxazole, sasociation, suffonamide susceptibility. Enterobacteriaceae 6004.

cotrimoxazole, furazolidone, Salmonella typhimurium clinical isolates 4282.

cotrimoxazole, Salmonella krefeld aminal isolates, plasmids, role 3278.

cotrimoxazole, salmonella krefeld aminal isolates, Vibrio cholerae 8730.

Enterobacteriaceae, Ri factors analysis, association, nosocomial infection 1541.

Enterobacteriaceae, timethoprim, gene transfer, plasmids 3298.

Erysiphe graminis powdery mildew, Triticum, Hordeum, treatment 2126.

Escherichia coli, animal isolates 665.

Escherichia coli, isolates, British Isles 1540.

Escherichia coli, isolates, man, cattle, chickens, pigs 7039.

Escherichia coli, isolates, man, cattle, chickens, pigs 7039.

Escherichia coli, isolates, man, cattle, chickens, pigs 7039.

Escherichia coli, Salmonella typhimurium, isolation, slurries, cattle animal wastes 2617.

If factors, Pseudomonas aeruginosa 6031.

Filurouracii, role transport, Candida utilis 642.

Fungi, contamination, vaccines, characterization 2396.

Fusarium oxysporum, nitrofuran resistance, association closed circular DNA 656.

Fusarium oxysporum, nitrofuran resistance, association closed circular DNA 656.

Fusarium oxysporum, nitrofuran resistance, association closed circular DNA 656.

Fusarium oxysporum, nitrofuran resistance, association closed circular DNA 656.

Fusarium oxysporum, nitrofuran resistance, association Indipes simplex virus 2,5-ethyl-2-deoxy, varione 5219.

1741.

herpes implex virus 2,5-ethyl-2-deoxy, varione 5219.

Leptespira interrogans ser hardjo 8780.

Indipespira interrogans ser hardjo 8780.

metronidazole, bacterioride 5043.

Mycobacterium ethyles 5043.

Mycobacterium intracellulare, infection, monkeys, clinical aspects 4285.

Mycobacterium intracellulare, infection, monkeys, clinical aspects 4285.

Mycobacterium interacellulare, infection, monkeys, clinical aspects 4285.

Mycobacterium interacellulare, infection, monkeys, clinical aspects 4285.

Mycobacterium interacellulare, infection, in virro, macrophages 9659.

Mycobacterium interacellulare, infectional agents 2466.

Mycobacterium interactionis, antitubercular agents 2422.

pipemidic acid, disc-diffusion test, Pseudomonas aeruginosa 7916.

Shigella, incidence, Ethiopia 2525.

sulfonamides, agar diffusion test, Mycobacterium 9657.

Treponema hyodysenternae, dimetridazole 8768.

urinary tract clinical isolates, bacturcult 6114.

Drug tolerance,

Candida, oral microflora, man 4271. Candida, oral introduction.

Drugs,
antibacterial activity, measurements 722,
antibacterial activity, role, bacteria outer membranes phospholipase 8783,
antimicrobial activity, treatment, infectious diseases, books 1817,
macrolide antibiotics, inferaction 1681,
microorganisms isolation 6086,
production, microorganisms models, Mammalia metabolism, conferences 7467,
sensitivity, gram-negative bacteria clinical isolates, osteomyelitis, man 6057. Dry bubble disease, Verticillium fungicola, prochloraz, disease control, Basidiomycetes 6824. Verticillium, pathogenicity, Agaricus bitorquis, Agaricus bisporus 2218. Dry matter, water uptake analysis, bacteria biomass determination 8129. Dry rot, Serpula lacrimans, wood 3172. 6030

9-(2-hydroxyethoxymethyl)guanine, herpes simplex virus 2 mutants 3271.

9-(2-hydroxyethoxymethyl)guanine, herpes simplex virus, mutation, thymidine kinase, DNA polymerase, genes 7874.

9-(2-hydroxyethoxymethyl)guanine, herpes simplex virus, reviews 9652. induction, association, antibacterial agents treatment bacteria infection, cattle 3984. Dryandra sessilis,
Phytophthora cinnamomi infection, pathogenesis 4153. Phytophthora combations and the chivity 7195.

prying,
air, sludges, association, viruses infectivity 7195.

asparaginase, stability, Candida guilliermondii 7333.

Campylobacter fetus subsp.jejuni survival, surfaces, sanitation 807.

± freezing, soil, effects on soil microorganisms 579.

Scierotium cepivorum scierotia, association, viability, soil 6972.

spraying, bacteria survival, milk 4876. 3284.
influenza A virus, remantadine, amantadine, plaque assay 9635.
influenza, remantadine interaction lipid membranes 3266.
iprodione, Fusarium nivale 1530.
ketoconazole treatment, Candida albicans infection, man 4274.

Microbiology Abstracts A vol. 18 ying, (continued)
praying, milk, indicator species, food contamination 4875.
Direptomyces phaeochromogenes, immobilized cells, enzymes activity 9064. Economics, activated studge, solid wastes, digestion (aerobic) 1691, food technology, oysters, pasteurization 2936. inea, insertinearia priesocularinogarias, ecological distribution, India 1473, itsserts, soil microorganisms, ecological distribution, India 1473, itsserts, soil microorganisms, ecological distribution, India 1473, itssertinearia, service desulphohydrase, thiosulphate cyanide sulphurtransferase, activity, correlation, vegetation, British Isles 6955. microorganisms, rocks habitat, Antarctica 9548 Ecosystem analysis, Ecosystem analysis, fungli leaf litter; soil, nutrient cycles, reviews 5889.

Ecosystem dynamics, forests, wood decay fungli 8446. nitrogen cycle, Pinus resinosa, forests 526. xenobiotics conversion, microorganisms, models 6961. ing. cattle, decomposition, rangelands 3198. ist, porm, contamination, secalonic acid D 279. porm, contamination, secalonic acid D 279. portionseed, endotoxins, 5663. pendotoxins, fungl, bacteria, pigs housing 7638, grain, fungal flora, mycotoxins, grain elevators 7619, stach elm diseases, biological control, Trichoderma viride, Ulmus 6613. Ceratocystis ulmi, environmental impact, population changes, Aves, Ulmus 6927. Ceratocystis ulmi, isolation, annual rings, Ulmus americana, USA, California 2310. Ecosystems, forests, soil, sulfate metabolism 5102 forests, soil, surfate metapolism of the Ectaconazole, control, Rosa 5044, treatment, greenhouses plants, powdery mildew disease control 5004, use, ornamental plants disease control 5056. 2310. Ceratocystis ulmi, Ulmus 4145. Ceratocystis ulmi, Ulmus americana, USA, Cairornia 2210. Ceratocystis ulmi, Ulmus americana, defects 4152. Ceratocystis ulmi, Ulmus americana, prophylaxis, benzimidazole denvatives 1458. Ceratocystis ulmi, xylem, dysfunction, Ulmus americana 8640. distribution, Belgium, relationship, Ulmus sensitivity, Ophiostoma ulmi 5080. history surveys, Belgium 5078. warf disease, Morus, cytopathology, Mycoplasma 9375. Prunus, Malus, ilarvirus isolates 5740. re-Iligand chromatography, glucose-6-phosphate dehydrogenase purification, Leuconostoc mesenteroides 4617. res. atomycorrnicas, absorption, nutrent transport, carbon sources, nitrogen sources, trees 9505. Agancales, Gasteromycetes, evolution, reproductive strategy 9535. Alpova diplophloeus, Hartig net, Frankia colonization, Alnus crispa, Alnus rugosa Basidiomycetes, nodules, Rubus 3208.
Cenococcum geophilum, sclerotia, abundance, microenvironments, soil, forests 6894. 6894.

detection, association, Abies concolor, Pseudotsuga menziesii, +Pteridium aquilinum undergrowth 4191.

ethects on, growth, Pinus ponderosa, Pinus sylvestris 6896.
etfects on revegetation Pinus taeda, land reclamation, mines 2305.
growth, cadmum, lead, effects on 3189.
growth, cadmum, lead, nickel, effects on 3189.
growth, realmoship, pH 5900.

Laccaria laccata, inoculation, fertilizer applications, seedlings, Pinus ponderosa, Pseudotsuga menziesii 5852.

Laccaria laccata, protection Fusarium oxysporum root rot, Pseudotsuga menziesii 3173. beta vulgaris, purification, fermentation, Aspergillus niger, Saccharomyces oviformis 7470. Beta vulgaris, purification, use, fungi 9086. biodegradation, anaerobic conditions 8423. depolorization, phanerochaete chrysosporium, association, lignin biodegradation. 3173 Laccaria laccata, suppression root rot, Fusarium oxysporum, Pseudotsuga menziesii 5-Dyhydroxy-3-(p-hydroxyphenyl)-6-phenyl-1,4-benzoquinone, isolation, Ascocoryne sarcoides, characterization 5556. 4144 nutrient transport, absorption, ecophysiology, population ecology, host plants 9539. 9539
Piloderma croceum, Pisolithus tinctorius, penetration, cell walls, Pinus sylvestris, Picea abies 3165.
Pisolithus tinctorius, chitin, biomass assays, roots, Pinus pinaster 9506.
Pisolithus tinctorius, Hartig net, cytology, roots, Pinus strobus 9510.
Pisolithus tinctorius, Water potential, water relations, seedlings, Quercus velutina 9508. ir rot,
Fusarium graminearum, disease resistance, Zea mays 1361.
Gibberella zeae, virulence, relationship, Zea mays, genotypes 3945.
Iriy bilgint,
Altermaria solani, biological control, Streptomyces longisporus antagonism,
Solanum tuberosum 4105.
Altermaria solani, Lycopersicon esculentum 8572.
Altermaria solani, Lycopersicon esculentum, computer applications predictions,
USA 4011.
Impropersion esculentum, sulfur discrete au pollutino effects on 6819. velutina 9508. population density, forests, fertilizer applications, Fagus sylvatica 8649. strip mines, soil amendment, spores, association, Picea glauca 1480. symbiosis, Eucalyptus marginata, Pinus radiata, association, detection, calcium oxalate crystals, roots, mantles 4211. symbiosis, incidence, Cistaceae, Tuberaceae 4210. symbiosis, Tsuga heterophylia, relationship, survival, association, wood decay, minerals soil 3164. USA 4011. Lycopersicon esculentum, sulfur dioxide air pollution effects on 6819. selectore, surjectore, streptomyces, structure, esterase inhibitors 2809. sole virus, indirect fluorescent antibody test, use β-propionolactone 3534. radioimmunoassay 3540. hitnochiae frumentaces, smut, Ustilago parodoxa, incidence, India 2138. hitnochiaria titochium, infection, wounding, incidence, Abies concolor 546. hitnochiaria. ultrastructure, Coniferales 533. Ecuador. Triticum aestivum, incidence, Pyrenophora tritici-repentis spot 9356. Eczema, Irvestock, association, fungicides application methodology 4529.

Pithomyces chartarum, livestock, association, fungicides application methodology Edelne D, Infection, wounding, incidence, Abies concolor 546.
hithorburan,
quinones derivatives, Echiumlycopsis cell culture, antibacterial activity 673.
hithornycin,
biosynthesis quantification, Streptomyces echinatus, disc-diffusion test 4428.
hithorne,
quinones derivatives, Echiumlycopsis cell culture, antibacterial activity 673.
hitumlycopsis,
hitumlycopsis,
Hovirus 1,
herbis, infusion, antiviral activity 7950.
solation methodology, estuaries sediments 8106.
Hitovirus 1,
hitovirus 2,
antiviral activity, 2-amino-5-(2'N-methyl-sulfamidophenyl)-1,3,4-thiadizole,
derivatives 9693.
synthetic compounds antiviral activity 6084.
lipta alba,
lipta alba,
lipta alba,
activity anti-particular derivatives, antagonism gram-positive bacteria 1487.
acticing activity, Pahokee muck, species diversity, community structure,
respiration, enzymatic activity 5912.
assidiomycetes, decay fungi, Quercus robur 4158.
Dictyostelida, species composition, forest floor 5849.
Dictyostelium, species composition, alpine environments 1442.
Dictyostelium, species composition, alpine environments 1479.
"usasrium crookwellense sp.nov., soil 3204. peptide mapping, synthesis 9780.

Edeine F,
Bacillus brevis, biosynthesis, isolation, characterization 8917. hinofuran Edema, diagnosis, Escherichia coli neurotoxins serological tests 3885. antiviral activity, tobacco mosaic virus infection, Nicotiana tabacum, Phaseolus vulgaris 511.

effects on antibacterial activity, formaldehyde, hydrogen peroxide, Bacillus cereus spores 8772.
inhibition, trimethylamine-N-oxide reductase, Escherichia coli 269. preservatives, seafood 2894.
resistance, relationship, cations effects on protein H1 biosynthesis, Pseudomonas aeruginosa envelopes 5158.
+Tris, ± antibiotics, antibacterial activity, pathogens, bacteria 7080.
+Tris treatment, Vibrio cholerae lysis, association nitrofurantoin resistance 7927. +tromethamine+antimicrobial agents, antibacterial activity, Escherichia coli 8765. EDTA-tromethamine, +antimicrobial agents, antibacterial activity, Pseudomonas aeruginosa 8750. Education, institutions, floors, keratinophilic fungi isolation 8983. Effluents, muerus, control, bacteria, fungi, biodeterioration, books, conferences 10004. laboratories, γ radiation, inactivation, viruses 790. petroleum, digestion (anaerobic), bioreactors 5287. recirculation, effects on, digestion (anaerobic) bioreactors 9807. prophylaxis, treatment, Phytophthora palmivora infection, orchards 5828. Egg production, allatoxins effects on, chickens 4888. Salmonella, Staphylococcus aureus, food contamination 203.

Dictyostelium, alpine environments 1482.
Octopostelium, species composition, alpine environments 1479.
Fusarium crociwellense sp.nov., soil 3204.
Vectria cinnabarina, Calosporella innesii, Eurlypa acharii, biodegradation, Acer pseudoplatanus 4181.
Hytophthora megasperma f.sp.medicaginis, root rot, disease resistance, Medicago Ericirculati yativa 3913.
Peaudomonas aeruginosa, incidence, rivers 2621.
In prophylax Egyproduce presidential properties 570.

Il prophylax Egyproduce presidential properties 570.
Il prophylax Egyproduce presidential properties 570.

Il properties 570.
Il properties 570.
Il properties 570.
Il properties 570.
Il properties 570.
Il properties 570.
Il properties 570.
Il properties 570.
Il properties 570.
Il properties 570.
Il properties 570.
Il properties 570.
Il properties 570. use immobilized enzymes carriers, β-D-galactosidase, Lactobacillus bulgaricus 9138. ology, orvironmenta recurs, oceasia waters 0200.

**Quecinia graminis subsp.graminicola, rust, Gramineae, evolutionary genetics 3004.

**oil microorganisms, books 3635.

**valter, microorganisms 17713.

**onazol, onazoli properties testino, vegaste 2502. Eggplant mottled crinkle virus, identification, Solanum melongena isolates 8588. Eggs, chickens, food contamination, Clostridium perfringens, Enterobacteriaceae, intibiotic sensitivity testing, yeasts 2502.

nomic importance,
Juercus decay, Fistulina hepatica, Czechoslovakia 4163.

Zuercus decay, Fistulina hepatica, Czechoslovakia 4163.

valermelon mosaic virus infection, Cucurbita pepo, incidence, prophylaxis, Jordan Staphylococcus 187:
Epitrix, biological control, Beauveria 985.
food contamination, bacteria, temperature effects on 4844.
hatchability, nuclear polyhedrosis virus infection effects on, Hyphantria cunea

1044

Eggs, (continued) iysozymes, antibacterial activity 1552. Chiorhynchus sulcatus, biological control, Metarhizium anisopliae 986. sodium chlonde, effects on heat resistance, Micrococcaeaea 4848.

South Charlos (Sept.)

Sept. 1 (1997)

Sept. 1

rivers, drinking water contamination, bacteria 2618. rivers, drinking water contamination, parasites 2619. waste disposal, composts 2604. Egypt, Arab Rep.,

eserts, nitrogen-fixing bacteria, species composition, nitrogen fixation efficacy 9607.

efficacy 9607.

Ehrharta celycine, heavy metals update, signins biodegradation, anaerobic conditions 8428.

Ehrharta celycine, heavy metals update, Glomus fasciculatus stimulation, acid rain 7805.

Ehrlich ascites tumor, antitumor activity, Microellobosporia grisea polysaccharides, rats, 6586.

Ehrlich ascites tumor cells, vesicular stomatifis virus purification methodology 1752.

Eichhornia crassipes, isolation, bacteria identification 3056.

mycorrhizas 4222

nitrogen-fixing bacteria isolates, antibacterial activity, pesticides 8770. Elkenella corrodens, drug sensitivity testing, agar dilution test, comparison, broth dilution test 2445

Eire, hospitals isolates, Staphylococcus aureus, antibiotic resistance, gentamicin, methicilin, plasmids role 7032. nematophagous tungi, soi 4214. Elaesgrus angustrolle, Phomopsis eleagni canker, incidence, USA, Michigan 9522. Elaesgrus umbellegent syndiomic produlation, nitrogen fixation, calcium hydroxide, soil amendment effects on 1506.

noculation, manager laboration in the factors affecting 4192. Elaphornyces persoonil, symbiosis, Vaccinium ashei, USA, Florida, factors affecting 4192.

Symbolsis, Vascolius Subtilis, purification, characterization, activity 1902.

Electric currents, hydrogen peroxide formation, phosphates buffers, cytotoxicity, Escherichia coli 2451.

concentration methodology, microorganisms, extraterrestrial life 9001.

Electrical properties, relationship, water potential, stems, Verticillium dahliae infection, Acer rubrum

Electrical stimulation, beef, bacteria, food contamination 185. Electrochemistry, cytochrome c3, polarography, Desulfovibrio 8192.

cytochrome cs, polarography, Desulroviono 8192.

Electrodes,
Aeromonas phenologenes, use tyrosine measurements 6303.

arginine, Streptococcus lactis use 879.

construction methodology, Paracoccus dentirificans membrane potential analysis

R124

construction methodology, Paracoccus dentifificans membrane potential analysis 8124.

nitrifying bacteria immobilized cells, nitrogen dioxide detection 9055.

nitrifying bacteria, immobilized cells, urea detection 1804.

oxygen, microorganisms respiration, models 9007.

oxygen, Nitrobacter immobilized cells, use, sodium nitrite sensors 5430.

pyriuvic acid, use Streptococcus faecium 8119.

Electrolyte belance, relationship, viruses necrosis, Vigna unguiculata, environmental stress 2993.

Electrolyte belance, relationship, viruses necrosis, Vigna unguiculata, environmental stress 2993.

Electronyte belance, rotavrus (thuman), feces, man 9864.

dipyridamole, effects on, pseudorables virus 3356.

DNA polymerase I structure, Escherichia coli 6535.

fatty-acid synthetase quatermary structure, Brevibacterium ammoniagens 2763.

fatins, wast whetase quatermary structure, Brevibacterium ammoniagens 2763.

films, wast water, formation, structure, 7193.

grapevine Bulgarian latent virus, infection, Vitis vinifera, symptoms 3080.

Mycoplasma, plant diseases, reviews 9316.

pathogenesis, anthracnose, Collettorichum gloeosporioides, Carica papaya 8564.

plasmids DNA isolation, characterization, Escherichia coli 6340.

Nocoplasma, plant diseases, entargens localization 1750.

Possornal subunit 505 crystal structure, Bacilius stearothermophilius 4563.

ubiquino-leytochrome o reductase, characterization, isolation, Neurospora 6486.

nitrate reductase (NAC(P)H), Hansenula anomala 6517.

Electron transport,

Electron transport, oxygen consumption, soil microorganisms, measuring techniques 1494. pentachlorophenol effects on, soil microorganisms 2378.

Staphylococcus aureus, antibacterial activity, butylated hydroxyanisole 6050. Electrons, radiation, disinfection, sewage sludge 8927. Electrophoresis, DNA hacteria 7254.

lectrophoresis,
base composition, DNA, bacteria 7254.
disease resistance, Plaum sativum, wilt, Fusarium oxysporum 1.sp.pisi 4065.
disease resistance, Plaum sativum, wilt, Fusarium oxysporum 1.sp.pisi 4065.
disease resistance, Plaum sativum, wilt, Fusarium oxysporum 1.sp.pisi 4065.
disease resistance, Plaum sativum, sease, plaum sativum, sativum, sease, plaum sativum, sease, plaum sativum, sease, plaum sativum, sease, plaum sativum, sativum,

Electrophoretic mobility, assays, bacteria, video cassette recorder use 2692. Elettaria cardamomum,

seeds, fungal flora 7725 Eleusine caracana,

growth, Glomus fasciculatus, interaction, Streptomyces cinnamomeous, effects on 2341.

2941.
Eleusine coracana,
phyllosphere, nitrogen-fixing bacteria, nitrogen fixation 9590.
Elongation,
plant diseases, Elsinoe brasiliensis, disease resistance, inheritance, Manihot
esculenta 6828.
Elongation factor G,
constitutivation, Thermus thermophilius 4574.

Euongation factor u.

crystallization, Thermus thermophilus 4574.
purfication, characterization, Thermus thermophilus 1829.
C-terminus, crystalization, Escherichia coli 2738.
Elongation factor Ta,
Escherichia coli, elongation factor Tu, Bacillus stearothermophilus purification,

Escherichia coli, elongation factor 1u, Bacilius stearomermopnilius purilicationi, interaction 3641.

Elongation factor Tu, amino acid sequence, Escherichia coli, comparison elongation factor 1 a-chain, Artemia salina 4573.

Bacillus stearomermophilius, elongation factor Ts, Escherichia coli, purification, interaction 3641.

cysteine residues, N-losyil-phenylalanyichloromethane chemical modification, Escherichia coli 1836.

purification, characterization, Escherichia coli 1835. purification, characterization, Streptomyces aureofaciens 1832.

Elongation factor 1, a-chain, amino acid sequence, Artemia salina, comparison elongation factor Tu. Escherichia coli 4573.

Elsinoe, relationship, Sphaceloma, pathogenicity, Euphorbiaceae 4979. Elsinoe brasiliensis, elongation, disease resistance, inheritance, Manihot esculenta 6828. Elvaportin, purification, inhibition mitochondria adenosinetriphosphatase, Tolypocladium inflatum 5.

Elymoclavine.

production, Claviceps purpurea 5554.
Embilica officinalis,
fungi infection, ascorbic acid content 3964.

fungi infection, ascorbic acid content 3964.

Embryo cells, transformation, Rous sarcoma virus, antiviral activity, 2-intronaphthofuran derivatives 3362.

Embryo fibroblasts, cytomegalovirus infected, novobiocin, inhibition, replication 2489.

Embryos, Lycopersicon esculentum, tobacce mosaic virus infection 2184.

Emericellopsis glabra, protoplasts fusion, recombination, β-lactam antibiotics biosynthesis 8806.

Emericellopais salmosynnemata, protoplasts fusion, recombination, β-lactam antibiotics biosynthesis 8806.

Emetine, and protoplasts fusion, recombination, β-lactam antibiotics biosynthesis 8806.

Emetine. resistance, Podospora anserina, association ribosomal proteins 3274

Institution of the company of the co

relationship, N,N-dimethyldodecanamine antibacterial activity 5175. Emulsan,

Acinetobacter, binding uranium kinetics 7863. Acinetobacter calcoaceticus, bacteria mixed culture biodegradation 8424.

Emulaification,
activity. Adherobacter calcoaceticus, association polysaccharides, extracellular
levels 1949.
hydrocarbons, hydrocarbon-degrading bacteria, freshwater environments 5143.

Emulsifiers, antibacterial activity, anaerobic bacteria, use preservatives canned food 255. hydrocarbons, Pseudomonas 9632.

emulsions, carbon disulfide, effects on nitrifying bacteria 9553. undecylenic acid, antifungal activity 7932. Encapsulation,

Encapsulation, association, lipopolysaccharides, Pseudomonas syringae pv.tabaci, Nicotiana tabacum, leaves 3064. Saccharomyces cerevisiae, protoplasts, products, recovery, methodology 9067. Staphylococcus aureus, cow's milk, cross-reactivity 7577. Encephalomyocarditis virus, antiviral activity, a-interferon, cell culture 7109. antiviral activity, interferon, regulation, double-stranded RNA, L cells 7105. infected ascites tumor cells, N-phenyi-N'-3-hydroxyphenyithiourea effects on RNA hydroxyphenyithiourea effects on RNA hydroxyphenyithiourea effects on RNA hydroxyphenyithiourea effects.

infected ascites (umor cells, N-phenyl-N-3-hydroxyphenyithiourea effects on biosynthesis 9683, infected ascites tumor cells, N-phenyl-N'-3-hydroxyphenyithiourea effects on protein biosynthesis 9684.

Endo-D-Qalactiosidase, purfication, characterization, Citrobacter freundii 6449. purfication, characterization, Flavobacterium keratolyticus 6451.

Endo-polygalacturonase.
Endo-polygalacturonase.
Endo-polygalacturonase.
Endo-t,3(4)-p-0-glucanase.
affinity exchange chromatography, Basidiomycetes 8302.
histidine residues, photooxidation effects on activity, Flavobacterium dormitator.

production, Bacillus amyloliquefaciens, chemostats 2808

production, Bacillus amyloliquefaciens, chemostats 2808.

Endo-1,34-0-bzylanase,
Aspergillus tarraus 5510.

Bacterioides, xylan biodegradation, intestinal microflora, man 2022.
fungi, use, oranges, extraction, oils, protein 8483.

Isolation, characterization, Bacillus subbilits 7378.

release, spore germination, Tinchoderma reesei 7331.

Trichoderma longibrachiatum, production, carbon sources effects on 3678.

Endo-1,4-9-D-glucanase,
cellulose hydrolysis, Chaetomium crispatum 9151.

Induction, Aspergillus terreus 7330.

Indo-1,4-β-D-xylanase,
Bacillus coagulans, physicochemical properties 4685.
Bacillus pumilus, purification, characterization 8299.
purification, characterization, Trichosporon cutaneum 1859.
reaction products characterization, Cryptococcus albidus 1869.
Sporotrichium thermophile, production 8233.
Streptomyces exfoliatus, purification, characterization 6550.
Indocarditia,
Candida albicans, antifungal activify, polyene antibiotics, imidazoles 7935.
isolates, Streptococcus sanguis, neuraminidase production, isolation, characterization 7372.
indodeoxyribonuclesse,

chadeoxyribonuclease, purfication, cleavage superhelical DNA, Escherichia coli 4691. Endodeoxyribonuclease Altili, Acatobacter iquefaciens, purification, characterization, substrate specificity 7417.

indodeoxyribonuciease Eael

purification, substrate specificity, Enterobacter aerogenes 6508.

indodeoxyribonuclease Gsul,
purification, substrate specifity, Gluconobacter oxydans subsp.suboxydans 4688.
indodeoxyribonuclease Th1111,
purification, characterization, Themus themophilus 1885.
indodeoxyribonuclease Th1118.
indogenacese,
association Pinulius (incideore 1524, June 5654.

sociation, Populus, incidence, USA, Iowa 5851.

purification, characterization, Thermus thermophilus 1885.

indegonacese,
association, Populus, incidence, USA, lowa 5851.

indegonacese,
association, Populus, incidence, USA, lowa 5851.

indegonacese,
Pinus radiata, Pseudotsuga menziesii, New Zealand 7774.

Pendohydroxycineole,
Aspergillus niger, 1,8-cineole conversion 3736.

indomycopas fibulipgera,
a-amylase, exo-1,4-a-D-glucosidase, production 3691.

exo-1,4-a-D-glucosidase, lydrolysis, starch 6498.

indomycopais fibulipgera,
a-amylase, exo-1,4-a-D-glucosidase, production 3691.

exo-1,4-a-D-glucosidase, lydrolysis, starch 6498.

indomycopais lipolytica,
2-oximino acids detection, gas chromatography 1843.

indomycorhizas,
Acacia holosericea stands nutrient cycles, association 535.

Acacia holosericea stands nutrient cycles, association, prowth, phosphorus nutrient availability effects on, Malus pumila,
Allium porrum. Tagetes patulus 9543.

Glomus mosseae, ± Frankia, effects on nitrogen fixation, Casuarina
equisetricinia 3215.

dentification, use, enzyme-linked immunosorbent assay 7273.

incidence, Gramineae mutures 559
inoculation, infection, roots, ultrastructure, morphology, Erica carnea 9504.

ruteint uptake, nutrient availability, phosphorus, Malus pumila, Allium porrum,
Tagetes patulus 9544.

role Allium opean autrient uptake, association, soil salinity 7804.

role Allium copan nutrient uptake, association, soil salinity 7804.

role prowth plants, methyl bromide fumigation induction stunt 5913.

roots, infection, soil moisture effects on, judgans nigra 6804.

role growth plants, methyl bromide fumigation induction stunt 5913.

roots infection, soil moisture effects on, soil galainity 7804.

role growth plants, methyl bromide fumigation induction stunt 5913.

roots infection, soil moisture effects on, soil galainity 7804.

role formus respense effects on soil 6974.

**Trichium praense, escieles ultrastructure 6974.

**Trichium praense, escieles ultrastructure 6974.

***Trichium praense, escieles ultrastructure 6974.

symbioesis, piants, + methyl bromioe furnigation, growth association, field thats 5910.
Trifollium pratense, vesicles ultrastructure 6974.
+ Trifolium repens, effects on yield 2330.
Zea mays, effects on minerals uptake 4190.
Findonuclease, calcium deoxynucleotides inhibitors complex, conformation, N.M.R., Staphylococcus

ndonuclease, calcium deoxynucleotides inhibitors complex, comunication, calcium deoxynucleotides inhibitors complex, comunication, staphylococcus aureus 7329.

extracellular enzymes, adenine stimulation, Staphylococcus aureus 7329.

Serratia marcescens, activity, sodium dodecylbenzene sulfonate, propanol, effects
on 2460.

"ituses, isolation methodulogy, comunication methodulogy,

on 246U.

ndoportidese,
biosynthesis, Staphylococcus simulans, amino acids, cyclic AMP, effects on 2792.
purification, characterization, Streptomyces fradiae 6473.
indopolygalacturonase Inhibitor,
Pisum sativum, leaves, defense mechanisms, induction, Ascochyta pisi infection
1350.

1399.
indoscopes,
glutaraldehyde disinfection 5338.
indosuffan,
antibacterial activity, nitrogen-fixing bacteria, Eichlomia crassipes isolates
azzn

8770.

indothia parasitica,
blight, virulence, disease control, Castanea dentata 6922.
blight, virulence, disease resistance, Castanea dentata 6823.
canker, disease transmission, role, Acarina, Castanea dentata, USA, Virginia,
USA, West Virginia 6925.
disease control, virulence, blight, Castanea dentata, reviews 4165.
media (culture), nutrient requirements, methodology 1814.
virulence, blight, Castanea dentata, Greece 6916.
Endotoxin,
Bacillus Hurinciensis, amino acid sequence 4911.

Endouzin,
Bacillus thuringiensis, amino acid sequence 4911.
Bacillus thuringiensis, cytotoxicity, biological control, Culicidae 1018.
Bacillus thuringiensis, genes 1107.
Bacillus thuringiensis, histopathology, biological control, larvae, Aedes aegypti

Bacillus thuringiensis, monoclonal antibodies production, hybridoma 305. Bacillus thuringiensis, production, media methodology 3888. Bacillus thuringiensis, stability, toxicity, use biological control, Culicidae

Bacillus thuringiensis subsp.entomocidus, purification, characterization 7641. Bacillus thuringiensis subsp.israelensis, biological control, Culicidae 5553.

noordX/ms, airborne microorganisms, poultry processing, chickens feces 1727. 2-amino -6-O-(2-amino-2-deoxy-B-D-glucopyranosyl)-2-deoxy-D-glucose, hydrophobicity regions, Bordefella pertussis 7632, assays, Limulus lysate test, urae effects on 9513. assays, moncytes coagulation 3833. Bacillus thuringiensis, antigenic characteristics 3720.

Endotoxins, (continued)

ndotoxins, (continued)
Bacillus thurngiensis, pathogenicity, biological control, Achaea janata 1038. bacteria, association prostaglandins, characterization 8515. bacteria, detection, Limiuliu Iysate test, militi 8478. bacteria, dietection, Limiuliu Iysate test, militi 8478. bacteria, lipopolysacchardes, assays, cerebrospinal fluid 8525, bacteria lipopolysacchardes, radiation detoxification 6728. biosynthesis, incubation temperature effects on Yersinia enterocolitica 2950. Bordettella pertussis, 3-hydroxyletradecandy substitution 6704, characterization, Staphylococcus aureus, toxic shock syndrome isolates 6706. Clostridium pertringens, detection, enzyme-linked immunosorbent assay 5655. contamination, cotton 5659.

contamination, enzymes, enzyme-linked immunosorbent assay 9826. cottonseed dust 5663.

dust, pigs housing 7638.
Escherichia coli lipopolysaccharides, radioimmunoassay, solid phase methods 9296.
gram-negative bacteria, cotton contamination, effects on respiratory function,
man 1320.

gram-negative bactena, localization, cotton 4913.

gram-negative bactena, localization, cotton 4913, indicators, lood contamination, Staphylococcus 3810, levels, seafood, Limulus lysate test 2956, levels, seafood, Limulus lysate test 2956, levels, waste disposal sites, composts 5292. Limulus lysate test, reaction, immunoelectrophoresis detection 9308, magnesium, enhancement, Limulus lysate test, sensitivity, detection 5379, Neisseria meningitidis, Limulus lysate test, assays 289, purification, characterizations, Vibro 300, susceptibility, geographical variations, Bacillus thuringiensis, Anopheles stephensi, Aedes alegophi, Aedes allogophi, Aedes allogophicus, India 293, toxicity testing, Limulus lysate test, legislation 6712.

Energy, consumption, fermenters, oxygen adsorption coefficients 8406, maintenance, calorimetry, Saccharomyces cerevisiae ethanol fermentation 7528. Energy balance, mathematical models 8191.

Energy outside, microorganisms, mathematical models 8191.
Energy budget, Glycine max, photosynthesis, carbon sources, utilization, Rhizobium, nitrogen fixation 9603.

Enkephalin,
hydrolysis, Pseudomonas, Chromobacterium violaceum, enzymatic activity, bestatin analogs effects on 7551

Fusarium oxysporum, production, nutrient requirements 6206.

antibacterial activity, Streptococcus group A 1677.

substrates binding, metals effects on, N.M.R., yeasts 6544.

3-Enolpyruvoyishikimate-5-phosphate synthase,
N-(phosphonomethyl)glycine inhibition, Neurospora crassa 4668.

N-(pnospinonitiality)gipane inflamman,
Enoxacin,
antibacterial activity, Enterobacteriaceae 9636.
Enoyl-CoA hydratase,
purification, characterization, Clostridium acetobutylicum, Escherichia coli

Ensifer adhaerens,

predatory behavior, soil, characterization, use, phages, monitoring 5090.

Enteritie,
Campylobacter fetus subsp.jejuni, clinical isolates incidence, antibiotic resistance, man 8733.
resistance, man 8733.
subsp.jejuni, man, epidemiology, Sweden, food c Campylobacter fetus subsp.jejuni, man, epidemiology, Sweden, food contamination 2055.

man, Campylobacter fetus subsp.jejuni food contamination, milk 1076. viruses, isolation methodology, estuaries sediments 8106.

annibacteria activity, actylureuopenicinins, antioniotic arriagonism, cephalosponns 6144.
antibacterial activity, antibiotic synergism, clavulanic acid, ticarcillin 6147.
antibacterial activity, antibiotic synergism, semisynthetic penicillins, arrinoglycoside antibiotics 7125.
antibacterial activity, cephalosporins 4341.
antibacterial activity, mezlocillin, azlocillin, +cephalosporins 6148.
antibacterial activity, mezlocillin, azlocillin, +cephalosporins 6148.
antibacterial activity, piperacillin 9757.
antibiotic sensitivity testing 6111.
azthreonam antibacterial activity 777.
carbon sources, factors affecting acetylene reduction 4244.
cefotaxime, moxalactam, antibacterial activity companson, antimicrobial agents 6126.

cefotetan antibacterial activity 7138.

ceronean armodaceneria activity 71302 cophialosporins antibacterial activity 4347, clinical isolates, antibacterial activity, caphalosporins 9740. distribution, feeds, radiation disinfection 7605, glycosidases biosynthesis 516. Plactamase, inhibition, clinidaryoin 7155.

β-lactamase, isoelectric focusing methodology, cellulose acetate membranes 9038

So 18. In the control of the control

endodeoxyribonuclease Eael, purification, substrate specificity 6508. extracellular enzymes pullulanase inducers 3680.

Enterobacter æerogenes, (continued)
histamine production, media (culture), sealood 2874.
immobilized cells, adenine arabinoside production 981.
inactivation, food spoilage rates, incubation temperature effects on 2926.
indicator species, association, drinking water, waste water, water sources 797.
post-harvest decay, etiology, Manihot esculenta 3102.
Enterobacter egglomerans,
contammation, cotton 1320.
Enterobacter cloacces,
amoxycillin-clavulanic acid resistance 4275.
amoxycillin-clavulanic acid resistance 4276.
M.K. 0366 antibacterial activity, cefoperazone 7144.
antibacterial activity, cefoperazone 7144.
antibacterial activity, cefoperazone 7144.
antibiotic resistance, cephalosporins, role, β-lactamase activity 7036.
antibiotic resistance, population studies 629.
antibiotic seristance, population studies 629.
antibiotic seristance, population studies 629.
antibiotic ensistance, population studies 629.
antibiotic seristance, population studies 629.
antibiotic seristance, population studies 629.
antibiotic seristance, population studies 629.
bacterocida activity, hydrazine, kinetics 9677.
beads extraction, β-lactamase release 2806.
biotogradation, straw, role, soil, volcanic ash, stabilization 5091.
biotyping 3592. Enterobacteriacese, (continued)
distribution, antibiotic resistance plasmids, trimethoprim, gentamicin 3302
drug resistance, R factors analysis, association, nosocomial infection 1541,
enterotoxins biosynthesis, plasmids role 8524.
R factors, antibiotic resistance transfer, wastewater treatment 1548,
food contamination, chickens earcasses, radiation, temperature, effects on 4786,
food contamination, encilerent eggis 167,
food contamination, ripering, salami 2030.
N-formimolyl thenamycin, antibacterial activity 3430.
N-formimolyl thenamycin, antibacterial activity 7075.
histamine production, media (culture), seatood 2674.
hydrogen gas production, formate conversion 4708.
hydrogen sulfide biosynthesis, differentiation media 6603.
identification, API test, automated methods 899.
identification, API test, automated methods 899.
identification, methodology 7236.
identification, media (culture) 6311.
identification, unionary tract isolates, methodology 9032.
incidence, food, Mexico 7594.
infection, antibiotic resistance, juveniles, cattle 643.
solates, cattle, antibiotic sensitivity testing 6095.
isolates, preumonia, bronchits, man, antibiotic resistance 1537.
iactic acid fermentation, vegetables 5607.
media (isolation), food contamination, dairy products, cocca 1791.
modification enzymatic, ammoglycoside antibiotics, association, antibiotic resistance 640.
nalidisc acid antibiacterial activity, companson, Aeromonas hydrophila 9673.
promodia (acid antibiacterial activity, companson, Aeromonas hydrophila 9673. Enterobacteriaceae, (continued) beads extraction, 6-lactamase release 2806.
biodegradation, straw, role, soil, volcanic ash, stabilization 5091.
biotyping 3592.
cefotetan artibacterial activity 5198.
cephalosporins antibiotic resistance, selection 5157.
clinical isolates, antibiotic sensitivity testing 726.
N-formimidoyi thienamycin, antibacterial activity 3430.
β-lactamase, antibiotic tolerance, β-lactam antibiotics, screening 637.
β-lactamase, antibiotic tolerance, β-lactam antibiotics, screening 637.
β-lactamase isolation, purification 4665
β-lactamase isolation, purification 4665
β-lactamase, purification, kinetics 9140.
lactic acid biosynthesis 8206.
plasmid pRD1 transfer, Escherichia coli, introgen fixation 5113.
purines biodegradation, aerobic conditions 3794.
seed treatments, biological control, Pythium rot, Beta vulgaris, Cucumis sattivus,
Pisum sattivum 9481:
Enterobacteriacese,
aminoglycoside antibiotics, antibiotic sensitivity testing 4351.
animal isolates, antibiotic resistance, lincomycins, streptogramins, macrolide
antibiotics 660.
antibacterial activity, amikacin+cephalosporins, +moxalactam 1614.
antibacterial activity, antibiotic synergism, semisynthetic penicillins,
ammoglycoside antibiotics 7125.
antibacterial activity, cefotetan 4339.
antibacterial activity, cefotetan 4339.
antibacterial activity, cefotetian 4339.
antibacterial activity, cefotetian 4367.
antibacterial activity, cephalosporins 1606.
antibacterial activity, cephalosporins 4343. resistance 640.

nalidicia caid antibacterial activity, comparison, Aeromonas hydrophila 9673, promidic acid antibacterial activity 1556.
semisynthetic penicillins, antibacterial activity 746.
soaps contamination 2641.
spoliage, beef, vacuum packaging, ferfigeration 5638.
spoliage, meat, vacuum packaging, carbon dioxide packaging 4879.
spoliage, onions, beets, vacuum packaging 4882.
sulboactam, antibacterial activity 2545.
sulfonamide susceptibility, association, cotrimoxazole drug resistance 6004.
survival, marine environment, in situ 3467.
temocillin antibacterial activity 2550.
trimethopinm, drug resistance, gene transfer, plasmids 3298.
urinary tract isolates, trimethopinm, drug resistance, British Isles 6007. temocilin antibacterial activity 6155. Enterobacterin, effects on, soil properties, soil microorganisms 4256.

Enterochelin,
scandium, indium, complex, antibacterial activity, Escherichia coli 1554. perficients activity, ceftazidime 4367
antibacterial activity, cephalosporins 1606
antibacterial activity, cephalosporins 1606
antibacterial activity, cephalosporins 1606
antibacterial activity, cephalosporins 1606
antibacterial activity, ciprofloxacin 9661
antibacterial activity, ciprofloxacin 9661
antibacterial activity, mezlocillim, amoxicillim+clavulinic acid 745.
antibacterial activity, mezlocillim, amoxicillim-clavulinic acid 745.
antibacterial activity, moxilactam 5269,
antibacterial activity, moxilactam 5269.
antibacterial activity, moxilactam centazidime, cephalosporins 4344.
antibacterial activity, moxilactam centazidime, cephalosporins 4344.
antibacterial activity, moxilactam 5276.
antibacterial activity, noxilactam centazidime, cephalosporins 4364.
antibacterial activity, noxilactam 5276.
antibacterial activity, nalidoxic acid, ciprofloxacin, norfloxacin, pipemidic acid 7524. Enterococcus, soaps contamination 2641.

Enterolobium cyclocarpum,
Ravenelia lagerheimiana infection, fungicides, disease control 8656. Enterotoxin. Micrococcaceae 3886.
Staphylococcus, detection, enzyme-linked immunosorbent assay, methodology 930
Enterotoxin B, Enterotoxin B, biosynthesis, Micrococcaceae 3886. Staphylococcus aureus, biosynthesis, culture methodology, purification 2963. Staphylococcus aureus, transport, processing 2081. Staphylococcus aureus, transport, processing 2081. biosynthesis, Micrococcaceae 3886. Staphylococcus aureus, radioimmunoassay solid phase methods 9295. Enterotoxin F, Staphylococcus aureus, purification, characterization 4905. Staphylococcus aureus, purification, characterization 9297. Enterotoxina, amino acid sequence, Escherichia coli 4915. amino acid sequence, Escherichia coli 6721. amino acid sequence, Escherichia coli 6721. amino acid sequence, Escherichia coli 6722. actor 7924.
antibacterial activity, O-demethylfortimicin 4413.
antibacterial activity, pyridonecarboxylic acid derivatives 7086.
antibacterial activity, Streptomyces rishiriensis 1672.
antibacterial activity, substituted pyrido[2,3-b]-pyrazine-1,4-dioxide 2437 243.7: antibacterial activity, surfactants, effects on Hly plasmid 4296. antibacterial activity, temocillin 2554. antibacterial activity, temocillin 5254. antibacterial activity, temocillin 5254. antibacterial activity, temocillin, ampicillin 2552. antibacterial activity, temocillin, ampicillin 772. antibiotic antagonism, piperacillin - ceroperazone 3387. antibiotic resistance, clinical isolates 6021. antibiotic resistance, heavy metals resistance, fresh water, harbors sediments amino acid sequence, Eschenchia coli 6721.
amino acid sequence, Eschenchia coli 6721.
amino acid sequence, Eschenchia coli 6721.
antigenic determinants, Vibno cholerae, Escherichia coli 6714.
biosynthesis, Escherichia coli, aminal isotaletas 665.
biosynthesis, Escherichia coli, amida (culture) methodology 9299.
biosynthesis, Escherichia coli, media (culture) methodology, conferences 9881.
biosynthesis, Microccacoea 3866.
cyclase activation 7640, Escherichia coli, association eukaryotes adenylate cyclase activation 7640, Escherichia coli, association eukaryotes adenylate biosynthesis, Staphylococcus, media (culture) 1115.
biosynthesis, Vibrio cholerae, Vibrio mimicus, continuous culture, recycling 8517.
Characterization, Escherichia coli, Vibrio cholerae, una immunicus, continuous culture, recycling Characterization, Escherichia coli, Vibrio cholerae, una immunicus continuous culture, recycling Characterization, Escherichia coli, Vibrio cholerae, una immunicus culture, recycling Characterization, Escherichia coli, Vibrio cholerae, una immunicus culture, recycling Characterization, Escherichia coli, Vibrio cholerae, una immunicus culture, recycling Characterization, Escherichia coli, Vibrio cholerae, una immunicus culture, recycling characterization, Escherichia coli, Vibrio cholerae, una immunicus culture, recycling characterization, Escherichia coli, Vibrio cholerae, una immunicus culture, recycling characterization, escherichia coli, Vibrio cholerae, una immunicus culture, recycling characterization, escherichia coli, Vibrio cholerae, una immunicus culture, recycling characterization, escherichia coli, Vibrio cholerae, una immunicus culture, recycling characterization, escherichia coli, Vibrio cholerae, una immunicus culture, recycling characterization, escherichia coli, Vibrio cholerae, una immunicus culture, recycling characterization, escherichia coli, Vibrio cholerae, una immunicus culture, escherichia coli, vibrio cholerae, una immunicus culture, escherichia coli, vibrio cholerae, una immunicus culture, e isolates 9645, antibiotic resistance plasmids, structure, incidence 6025, antibiotic resistance, transfer, role, R factors 1543, antibiotic sensitivity testing 2393, antibiotic sensitivity testing 6096, antibiotic sensitivity testing 9636, antibiotic sensitivity testing 9722, antibiotic sensitivity testing 9722, antibiotic sensitivity testing, 3722, antibiotic sensitivity testing, antibiotic resistance, moxalactam, cefoperazone, cefotaxime 5271, antibiotic sensitivity testing, media (isolation) 9711, antibiotic sensitivity testing, relationship treatment, experimental infection, mice 9715. isolates 9645. Bosynthèses, vauno crioeriae, reuro minicos, cumbacos canaba, respan-8517.

characterization 7634.

characterization, Escherichia coli, Vibrio cholerae, use, immunodiffusion, neutralization 7634.

characterization, purification, Vibrio cholerae 8516.

characterization, Salmonella 6707.

cholera, biosynthesis, Vibrio cholerae 6713.

Clostridium perfinigens, assays 6711.

Clostridium perfinigens, detection methodology 2984.

components, biosynthesis, Escherichia coli 2088.

Escherichia coli, aggilutination detection 3905.

Escherichia coli, aggilutination measuring techniques 9302.

Escherichia coli, aggilutination measuring techniques 9302.

Escherichia coli, detection, aggilutination 311.

Escherichia coli, detection, enzyme-linked immunosorbent assay, methodology 996.

Escherichia coli, detection, enzyme-linked immunosorbent assay, methodology 996.

Escherichia coli, detection, enzyme-linked immunosorbent assay, methodology 996. mice 9715. antibiotic SM-1652 antibacterial activity 3398. antigens use classification 2666. cefoperazone A antibacterial activity 7980. oeroforación e aminoacienta activity 7960.
certofatarine, comparison, moxiliactam, antibacterial activity 6125.
cefotacidam antibacterial activity 5198.
cefotacidime antibacterial activity 6121.
cefotacidime antibacterial activity 6122.
cefotacidime antibacterial activity 6122. clinical isolates, antibacterial activity, azlocillin 8847.

clinical isolates, antibacterial activity, cefoxitin, tobramycin, comparison
N-formindoyl thenamycin 7076

clinical isolates, antibacterial activity, ceftazidime, cefotaxime, moxalactam Escherichia coli, detection, hybridization analysis, enzyme-linked immunasay 4903.

Escherichia coli, enzyme-linked immunosorbent assay 9304.

Escherichia coli, enzyme-linked immunosorbent assay, sonication 2961.

Escherichia coli, enzyme-linked immunosorbent assay 9310.

Escherichia coli, enzyme-linked immunosorbent assay 9310.

Escherichia coli, enzyme-linked immunosorbent 104.

Escherichia coli, ibeat activation 3894.

Escherichia coli, petides, synthesis, biological properties 2086.

Escherichia coli, pyrification 5556.

Escherichia coli, purification, characterization 5657.

Escherichia coli, purification, gel electrophoresis 290. 4365 4365. clinical isolates, antibacterial activity, gentamicin, tobramycin, netilmicin, media analysis 7074. clinical isolates, antibiotic sensitivity testing 726. clinical isolates, antibiotic sensitivity testing 726. clinical isolates, identification, API test, Enterotube test 4492. clinical isolates, identification, API test, Enterotube test 4492. clinical isolates, identification, Sensitire system 9916. contamination, mineral water, bacteria 2027. detection, identification, susceptibility, methodology 9901.

Environmental hygiene,
antibiotics use, bacteria nosocomial infection, man 8981.
bacteria disinfection 5349,
bacteria nosocomial infection, man, disease control 3495,
laboratory animals, bacteria 5334,
nosocomial infection, unnary tract, bacteria, incidence, man 8074,
operating theaters, hospitals personnel 803.
Environmental impact,
atmosphere nitrogen, photochemistry 604,
cattle, grazing, surface water, water quality, USA, Colorado 8973,
recreation, soil properties, forests 6892,
volcanoes, USA, Washington, effects on nitrogen cycle, lakes, bacteria 5122.
Environmental monitoring,
drinking water bacteria levels 1717.
Environmental requirements,
Phymatotrohum omnovorum, geographical distribution, limiting factors, soil
characteristics 9557.
Environmental streas, nterotoxina, (continued)
Escherichia coli, purification, physicochemical properties, amino acid sequence, relationship pathogenicity 4910.
Escherichia coli, radioimmunoassay 9294.
Escherichia coli, subunit structure, immunochemistry 291.
gram-negative bacteria, in vitro, characterization 304.
Klebsiella pneumoniae, physicochemical properties 6715.
plasmids, Escherichia coli, gene transfer, antibiotic resistance 3299.
production, milk, Escherichia coli, Yersinia enterocolitica 1111.
production, Staphylococcus 2959.
production, Staphylococcus aureus, clinical isolates, food isolates 1113.
production, Vibrio 2949.
production, milno acid sequence, Escherichia coli 2955. production, Vibrio 2949.
purffication, amino acid sequence, Escherichia coli 2955
purffication, amino acid sequence, Escherichia coli 292.
purffication, rharacterization, Vibrio cholerae, Escherichia coli 292.
purffication, physicochemical properties. Staphylococcus aureus 7644.
Salmonella enterritidis, biosynthesis, nutnent requirements 1105.
Salmonella typhimurium, isolation, characterization 4916.
Staphylococcus aureus, biosynthesis, chickens 6727.
Staphylococcus aureus, biosynthesis, sodium chloride, potassium chloride, ripening, cheddar cheese 2037.
Staphylococcus aureus, detection, enzyme-linked immunosorbent assay, immunodiffusion 6710. characteristics 9557.
Environmental stress,
nutrient availability, competition, sclerotia germination, fungi, soil 9573,
vigna unguiculata, viruses necrosis, relationship, electrolyte balance 2993.
Environmental surveys,
bacteria, marine environment, association, bubbles, methodology 4495.
isolation, thermophilic fungi 3190. immunodiffusion 6710.
Staphylococus aureus, enzyme-linked immunosorbent assay, milk 1109.
Staphylococus aureus, production, growth, packaging, sandwiches 1091.
Staphylococus aureus, reviews 6723.
Staphylococus aureus, toxigenicity 7631.
Staphylococcus, doed contamination, detection, enzyme-linked immunosorbent assay 1110. Environments, Androments, gases, crop residues fermentation, Aspergillus oryzae, Trichoderma reesei, Streptomyces, reviews 4723. solates, methanogenic bacteria, high-performance liquid chromatography phospholipids assays 5382. Enzymatic activity,
bacteria, soil, Pahokee muck, species diversity, community structure, ecological
distribution 5912.
soil microorganisms, biomass, crop fields, agricultural practices effects on Staphylococcus food contamination, milk products, India, incidence 2058.

Staphylococcus, identification, counter immunoelectrophoresis, immunofluorescence 4916
Staphylococcus, production 2087.
Streptococcus, detection, food poisoning man 3892.
Streptococcus, detection, food poisoning man 3892.
N-terminal, amino acid sequence, Clostridium perfringens 5660.
toxigenicity, Staphylococcus aureus isolates, milk 6716.
vibrio cholerae, Escherichia coli, neutralization 2957.
Vibrio cholerae production, media (culture) 3891.
Vibrio cholerae purification, characterization 2951.
Versimia enterocolitica, detection, assays, factors affecting 9307.
Versimia enterocolitica, production stability, methanol solubility 7633.
Versimia enterocolitica, purification, characterization, conferences 9298.
miscrutube lexiko. 4918 5980 5980.
soil microorganisms, phosphatidyl choline, degradation, mineralization, nutrient sources, plants 5915.
soil properties, tundra 5884.
Enzyme Immunoassay, antibiotics, body fluids 9724.
comparison radioimmunoassay, detection, hepatitis B surface antigen 7220.
detection, Bacillus anthracis immunoglobulin G antibody response, immune serum, rabbits 655. cetection, bedautics armiracis minimoring count in amboody response, immune serum, rabbits 855, detection, Chlamydia trachomatis immunoglobulin G 9894. detection, influenza A virus antigens 9840. gertiamien, artimoriale method 3414. gertiamien, artimoriale method 3414. gertiamien, artimoriale method 3414. gertiamien solventiale 157, decensive service of the servic Yersinia enteroculica, purthcanon, characterizanon, comerences 9,250.

mercrutube tiest,
API test, clinical isolates, identification 4492.

mercrutus,
bentonite immobilization, bacteria contamination, ethanol bactericidal activity 3523.

Contamination, breast milk, man 4770.

contamination, water, filtration methodology 3520.

disinfection, sewage sludge 8336.

identification, counter immunoelectrophoresis 1753.

indicator species, ground water microbial pollution 8979.

isolation, sewage, immunoelectron microscopy 3468.

microbial pollution, survival, saline environments 1720. microbial pollution, water pollution, pollution detection, Pema canaliculus microbial pollution, water pollution, pollution detection, Pern 3516
movement, waste disposal sites, aquifers 5328.
sewage sludge, relationship vaccination, man 3470.
synthetic compounds antiviral activity 6064.
water pollution, sediments, sewage outfalls 796.
ntomophthoracese,
infection, Aphis fabae, fungicides effects on 489.
ntomophthorales,
biological control, Aphididae, Gramineae 8360.
biological control, Aphididae, Gramineae 8360.
biological control, Palia rosae, field trials 9210.
culture, use, biological control, insecta 1805.
solation, culture, methodology, insecta 1783.
pest control, biological control, insecta 1000.
pest control, virulence, biosassays, Insecta 1001.
ntomosporium meapili,
leafspor, Raphiolepsis indica, Raphiolepsis delacouri 5775.
galls, Juncus articulatus 9403.
ntyloma brizze,
smut, Gramineae 2129.
ntyloma dactylidia,
smut, Gramineae 2129.
numeration, sectiones 1083. 3516 6:297.

Bordetella pertussis hemagglutnins antibodies 899.

Bordetella pertussis hemagglutnins antibodies 899.

Bordetella pertussis, hemagglutnins, purification, characterization 886.

Bordetella pertussis toxins, binding haptoglobulin 6720.

Brucella cross-reactivity Yersinia, diagnosis brucellosis, man 8143.

carlavirus antigenic relationship, association F(ab)2 3529.

Clostridium botulinum toxins 9293.

Clostridium difficile, toxin A 9303.

detection antibodies, antigen VI, Salmonella Typhi 9920.

detection antibodies, antigen VI, Salmonella Typhi 9920.

detection, antibodies, Bordetella bronchiseptica, methodology 3611.

detection, antibodies, Visna virus, maedi virus, sheep, goats 2651.

detection, antibodies, visna virus, maedi virus, sheep, goats 2651.

detection, antipens, Erwinis salicis, Watermark disease, Salix alba 6919.

detection, antigens, Erwinis salicis, Watermark disease, Salix alba 6919.

detection, antigens, Erwinis salicis, Watermark disease, Salix alba 6919. detection, Autographa californica nuclear polyhedrosis virus, in vivo, in vitro detection, bacteria, Prunus persica phony disease 7684. detection, bean pod mottle virus, vectors, Ceratoma trifurcata, Glycine max 3067. detection, beet yellows virus, beet mild yellowing virus, Beta vulgaris leaves extracts 3527. numeration, bacteria, meat products 1063. detection, cazae swollen shoot virus, Theobroma cacao 7221. detection, caraine distemper virus, artitgens, immunoglobulin G, methodology 5369. detection, carnation mottle virus, camation ringspot virus, Dianthus caryophyllus 831. bacteria, meat products 1083.

**melopes,
infectious anemia virus, glycoproteins, isolation, lectins affinity
chromatography 8097.

**Pseudomonas aeruginosa, membrane proteins, artibiotic resistance, polymyxin 2414.
**melronmental conditions,
association, udder infectious disease, cattle 6272.

**mixed culture, Hydrodictyon reticulatum+Tetraselmis, effects on fermentation
2858.

**Entire officets on blast nethogenesis; 1169. detection, carnation mottle virus, meristern tip culture, Dianthus caryophyllus oetection, Carnamon motite virus, mentiserin up curure, Diaminus carychinius 7223 detection, Chlamydia trachomatis, antibodies 3605, detection, Chlamydia trachomatis, immunoglobulin G, immunoglobulin M 9931. detection, coronavirus especial sections 5655, detection, coronavirus especial sections 5655, detection, enterotoxins, Escherichia coli, 4903, detection, antierotoxins, Escherichia coli, methodology 9969, detection, apraevirus fanalesi virus, infection, Vitis vinifera 1240, detection, grapevine fanalesi virus, vitis vinifera 2160, detection, immunoglobulin G, antigens, herpes simplex virus 2 7227, detection, immunoglobulin G, antigens, herpes simplex virus 2 7227, detection, immunoglobulin G, immunoglobulin M, Staphylococcus teichoic acid, immunodiagnosis infection, man 9919, detection, measles virus immunoglobulin G 9857, detection, measles virus immunoglobulin G, 9857, detection, mumps virus immunoglobulin A, man 3528, detection, necrotic yellows virus, Lactuca sativa, vectors, Hyperomyzus lactucae 415. 2858.
Onza sativa, effects on blast pathogenesis 1169.
Nirionmental effects,
Claviceps purpurea alkalioids biosynthesis 129.
Immobilized cells, reviews 1737
industrial wastes, industrial sites, petroleum, bibliographies 2609.
man-made products, biodetenoration, biodegradation 4758.
Micrococcus, isolation, poultry, radioriesistance 202.
pathogenicity, Bacillius thrungienisis, Culex pipiens, Aedes aegypti 295.
pathogenicity, pest control. Bacillius thuringienisis, Culicidae 296.
pulp mills, industrial effluents, wastewater treatment, bibliographies 2608.
wastewater treatment, water quality, microbiology, bibliographies 2606.
Intronmental factors,
diseases spread, Pseudomonas syringae pv.tomato, speck, Lycopersicon esculentum
1297.
effects on, fungi, mycotoxins biosynthesis 284.

effects on, fungi, mycotoxins biosynthesis 284, soil depth, soil microorganisms, relationship, Verticillium dahliae fungistasis

Vibrio, ecological distribution, coastal waters 6259.

127

detection, nuclear polyhedrosis virus infection, Trichoplusia ni 2656, detection, plant viruses, Triticum aestivum, Hordeum vulgare 6757. detection, potato leaf roll virus, tabers, Solanum tuberosum 9404. detection, Pseudomonas aeruginosa lipopolysaccharides 9915.

Enzyme-linked immunosorbent assay, (continued) detection, rotavirus (human), feces, man 9864. detection, rubella virus immunogiobulin G, antigens attachment methodology 9851. detection, ryegrass mosaic virus, ryegrass seed-borne virus, Lolium multiflorum, Lolium perenne 6758. detection, seed-borne diseases, viruses 7219. detection soybean mosaic virus infection, Glycine max seeds 343. detection Spiroplasma cirir, Viruar ossea, Euscleitidius variegatus 3046. detection, Spiroplasma stunt, Zea mays 3011. detection, Staphylococcus aureus telerioria caid antibodies 9939. detection, Staphylococcus aureus telerioria caid antibodies 9939. detection, Staphylococcus aureus telerioria detection, Indexoc raftle virus, Solanum tuberosum tubers. Narcissus 6808. detection, Ureaplasma urealyficum antibodies 9871. detection, Xanthomonas campestris pro citri 5381. diagnosis hepatitis A, feces, man 4469. + electrophoresis, microorganisma antigens 6285. enterotoxins, Escherichia coli 9304. Enzymes, (continued)
bacteria, yeasts, purfication, characterization, books 7275.
Basidiobolus, Conidiobolus, API test, identification 899.
biochemical characteristics, soils (loam) 562.
biosynthesis, Keratinophilic fungi, dermatophyte fungi, media (culture) 3630.
biosynthesis, Lysobacter enzymogenes, factors affecting 8297.
biotechnology, books 8179.
Claviceps purpurea, detection, immunofluorescence, association, Gramineae infection 5707.
conversion, steroids, bacteria 7433. infection 5707.
conversion, steroids, bacteriori, minimination searches, assertiation, ordering for conversion, steroids, bacteria 7433.
Corloius, use, melanoidin coloration removal 150.
Cucumis sativus, tobacco necrosis virus infection, osmotic stress effects on 413.
cyclic AMP effects on Klebsielia pneumoniae 1938.
detection, methodology, yeasts 8168.
detection, polysaccharides degradation, Ampelomyces quisqualis 8319.
electrophoresis, companson, yeasts 7422.
factors affecting, machivation, antibiotic resistance, streptomycin, biosynthesis, Streptomyces griseus 1547 of 167.
factors affecting, Thelavlopsis paradoxa soft of 4730.
Glyone max, nodules, effects on intropen fixation, Rhizobium japonicum 8694.
hydrocyanic acid production, Pseudomonas, fractionation methodology, column chromatography - detergents, anaerobic conditions 4505.
hydrolysis, lignocellulose, cellulolytic microorganisms, reviews 7540.
immobilization, albumen supports bacteriotidal activity 9686.
inhibition activity, Escherichia coli microchi 15n 6235.
solation, Escherichia coli pol A gene amber mutant, characterization 7379.
isolation, technichia coli pol A gene amber mutant, characterization 7379.
isolation, fischerichia coli microchi 15n 6235. enterotoxins, Escherichia coli, sonication 2961.
enzymes contamination, endotoxins 9826.
equipment cleaning systems 1764.
Escherichia coli, enterotoxins 9310.
feces, rotavirus detection 9011.
glass beads, solid phase methods, rotavirus (human) detection 5370.
hepatitis 8 surface antigen 9016. hepatitis B surface antigen antigen-antibody complexes, use seroepidemiology, man 822 hepatitis B surface antigen detection, factors affecting sensitivity 5367 hepatitis B surface antigen, use, Armoracia lapathifolia peroxidase 625. herpes simplex virus, serotyping 9853. detrification, barley yellow dwarf virus 1768. immunochemistry, toxoids, Neisseria meningitidis, polysaccharides 4430. immunoglobulin G, anti polysaccharides, Streptocoocus group B 5392. immunoglobulin M, measies virus 9013. immunoglobulins detection, rubella virus specificity, man 3531. interspecific interactions, C-type virus (mammailian) proteins 1760. Legionella, carbohydrates antigens 5307. Leptospira interrogans ser.hardjo, Leptospira interrogans ser.pomona, antibodies, cattle 8118. isolation, thiosulfate oxidation, manne environment, Pseudomonas 7404, isovalenc acid biosynthesis, isolation, characterization, Clostndium bifermentans 9174.
Ilipid metabolism, bacteria, fungi, books 9090.
metabolism, methane, methylotrophic bacteria 7871.
metabolism, microorganisms, detergents effects on, reviews 6399.
microorganisms, sodium, forests soil analysis, land redamation 7822.
Neurospora crassa, Aspergillius terreus, use, oranges, extraction, oils, protein 9482. Neuros 8483 Nocardia erythropolis, sterols biodegradation 1948. oxidoreductase, use, biotechnology, reviews 9145. production, association, Pseudomonas fluorescens batch culture 108. production, fermentation 4678. cattle R118 cattle 8118. Iestuce 819. Iestuce 819. Iestuce 819. Iestuce 819. Iestuce mosaic virus detection, Lactuca sativa seeds, USA, Florida 5017. Iocalization, necrotic ringspot virus, pollen, Prunus 2148. methodology, Aspergilius tumigatus antibiodies, man 3624. methodology, detection, microorganisms antigens 7216. methodology, detection, microorganisms antigens 7216. methodology, detection, Staphylococcus entertoxin A 9309. monocional antibodies, feline leukemia virus 9850. monocional antibodies, typing, herpes simplex virus 1, herpes simplex virus 2. production, regulation, reviews 4675.
Pseudomonas pseudomallei, Salmonella typhimurium, ureidosuccinic acid dihydraz Pseudomonas pseudomallei, Salmonella typhimurium, ureidosuccinic acid dihydraz effects on 6056.
regulation, Neisseria meningitidis, pyrimidines biosynthesis 8341.
role, dentifrication, pathway, reviews 5118.
Saccharomycopsis lipolytica, activity association overproduction, isocitric acid, citric acid 5443.
Streptococcus faecalis, aminoglycoside antibiotics antibiotic resistance 3291.
systems, Rhodopseudomonas sphaeroides uroporphynnogens biosynthesis 9206
Trichoderma reesei, cellulose hydrolysis 1056.
Trichoderma reesei, cellulose hydrolysis 1056.
Suse, production, bakery products, beverages, USSR 6677.
Vigna sinensis, tobacco necrosis virus inflection, osmotic stress effects on 413.
viruses, antivirui agantis interaction, activity mechanisms 9895. 9843 9843.

Neisseria gonorrhoeae 1780.

Neisseria gonorrhoeae antigens 3565.

Neisseria gonorrhoeae, se diagnosis, gonorrhea 1796.

Neisseria meningificiis antigens detection 5396.

+nylon, use, detection, influenza virus 4488.

plants viruses, antigenic variants detection 1757.

policivirus 1 6300.

potato virus Y detection, vectors, Myzus persicae 3517.

radioactivity measuring techniques, radioactive labelling, tobacco mosaic virus 8098. viruses, antiviral agents interaction, activity mechanisms 9695. Eperua falcata, leaves decomposition, soil microorganisms, forests 1439.

Ephella oryzae,
inflection, Oryza sativa, chemical control 3149.

Ephestia cautella,
pest control, captan, compatibility, Bacillus thuringiensis, stored products Ross River virus 9854.
Ross River virus, immunoglobulin M serum levels, detection, polyarthritis, man 9834 7495 9834

rubella virus serum antibodies, immune status, comparison, indirect hemaggiutination, hemaggiutination inhibition 9837.
sensitivity, detection, viruses infection, plants 3530.
serotyping, rotavirus 1743.
Staphylococcus aureus enterotoxins, milk 1109.
Staphylococcus aureus enterotoxins, milk 1109.
surveys, viruses, Dianthus caryophylius 1294.
T-2 toxin, Fusarium tricinctum 4891.
use amidase, diagnosis, hepatitis, viruses 2659.
use, detection, hepatitis B surface antigen antibodies 4470.
use, detection, infection, potato virus S, potato virus X, Solanum tuberosum 1242. pest control, captan, compatibility, Bacillus thuringiensis, stored products Epichioe typhina, N-acetyl-loline, N-formyl-loline, accumulation, Festuca arundinacea 7499. Epicoccum, Epicoccum,
Larix defoliation, association Adelges grazing 540.

Epicoccum purpurascens,
microflora, Hordeum, fungicides treatment effects on 7766.

Epidemiology,
Alternara brassicioola infection, Brassica oleracea seeds 1229.
black rot, Cylindrocladium crotalariae, soll inoculum, spatial distribution,
Arachis hypogaea 1123.
Cucumis stem blight, relationship, powdery mildew, pest attack 1248,
Dutch elim disease, microorganisms, Ulmus glabra, Scolytus vectors 1453.
ergot, Gramineae 1151.
Fusarium moniliforme var subdultinass, pitch cantee, Pinus taerta 1467.
Fusarium moniliforme var subdultinass, pitch cantee, Pinus taerta 1467. 1242.
use, identification, endomycorrhizas 7273.
use, monocional antibodies, detection, bovine leukemia virus antibodies 4474.
use, Mycobacterium smegmatis arabinomannan, diagnosis, leprosy, man 6328.
use rabins virus vaccines 820.
varicella-zoster virus immunoglobulin M detection, man 1751.
viruses detection, clinical microbiology 9858.
Enzyme-linked immunoapot assay,
Escherichia coll, enterotioxins 9310. ergui, cramineae 1151. Fusarium moniliforne var.subglutinans, pitch canker, Pinus taeda 1467. gummosis, Prunus persica 1214. Hemilieia vastatrix, leaf rust, coffee arabica, Latin America 1216. leaf rust, Puccinia recondita, Triticum aestivum 370. neminos vastamis, iear fust, conea arabica, tam America 1216.
leaf rust, Puccinia recondita, Tribcum estivum 370.
leprosy, Mycobacterum leprae, immunoassays, man 846.
leprosy, radioimmunoassay, man 848.
Norwalk agent infection, man, gastroenteritis, association swimming 1709.
Peronosclerospora, Sclerospora graminicola, downy mildew. Zea mays, Sorghun
vulgare, Pennisetum typhoideum, reviews 1186.
Phytophthora infestans, blight, inoculum potential, Solanum tuberosum 424.
ptich canker, Pinus taded seeds 543.
Pseudocercosporelia herpotnoides infection, Hordeum, seasonal variations 11.
Quercus with, disease spread 1462.
relationship, meteorology, blast, Pyricularia oryzae, Oryza sativa 1182.
Epidermophyton floccosum,
antifungal activity, substituted phenols, structure-activity relationships 3338.
Epilachna varivestis,
leading, regurgitation, disease transmission, southern bean mosaic virus,
Phaseolus vulgars 6738.
Epilacha vyrothecium oridum 5747.
Epithelium,
nasopharyrix, cell culture methodology, association Epetein-Barr virus 8095.
nasopharyrix, cell culture methodology, association Epetein-Barr virus 8095. Enzymes, activity, Courbita maxima, watermelon mosaic virus infection effects on 9434. activity, drying, immobilized cells, Streptomyces phaeochromogenes 9064. activity, insecticides effects on, soil microorganisms, agricultural land 5969. activity, Neisseria meningitidis, pyrimidines biosynthesis 8340. activity, soil microorganisms, soil amendment, activity, soil microorganisms, soil amendment, companies of the soil microorganisms. activity, soil imcroorganisms, soil, storage effects on 5919.
activity, soil imcroorganisms, soil, storage effects on 5919.
activity, soil, pH effects on 2338.
aminoglycoside antibiotics inactivation mechanisms, role, bacteria antibiotic resistance 6005. analysis, alginic acid biosynthesis, Azotobacter vinelandii continuous culture antibiotics, biosynthesis improvements, microorganisms strains combination cultivation, reviews 6548. Arthrobacter, hydrohysis, malathion, characterization 8416. assays, acetic acid, bacteria supernatants 7234. assimilation, biosynthesis, carbon limitations, Kloeckera growth, methanol concentration 6552.

nasopharynx, cell culture methodology, association Epstein-Barr virus 8095.

politication, alkanes, methylotrophic bacteria 4761. alkenes, methane monooxygense, formate dehydrogenase role, generation NAD Methylosinus 6474.

biological control, Beauveria toxins, toxicity 1106. eggs, larvae, biological control, spores, Beauveria 985. Epoxidation,

128

association, Streptomyces venezuelae chloramphenicol biosynthesis, mechanisms Epitrix,

6957.
Aureobasidium pullulans, production 1852.
Bacillus, production, genetic engineering 987.
bacteria menaquinone biosynthesis, reviews 6628.
bacteria, separation techniques, ultrafitration 9167.
bacteria, technology, clinical microbiology, use 970.

oxidation, (continued) propylene, metabolism, Brevibacterium, Pseudomonas fluorescens, Nocardia 7462. poxides,

poxides, production, association, hydrocarbons conversion, Pseudomonas eleovorans 9631 production, Flavobacterium 2840, poxyagrociavine-1, Penicilium corylophilum, biosynthesis 1973, patein-Barr virus, arrativiral activity, arra-A, erythro-9-(2-hydroxy-3-nonyl)adenine, lymphoblastoid cell lines 6067.

antiviral activity, ara-A, erythro-9-(2-hydroxy-3-nonyl)adenine, lymphoblastoid cell lines 6067.
gleoproteins purification, cell culture 9105.
9-(2-hydroxyethoxymethyl)quanine antiviral activity 9697.
nasopharyms epithelium cell culture methodology, association 8095.
replication, antiviral activity, nucleosides analogs 9688.
quine infectious anemia virue,
antibodies, indirect fluorescent antibody test detection, methodology 6290.
quine infectious arterities virus,
vaccines stability 8052.
quine numeration, bacteria, food contamination 3575.
enzyme-linked immunosorbent assay, cleaning systems 1764.
heat transfer, fouling organisms, bacteria, books 5444.
safety, laminar air flow, bacteria assays 5332.
quisetum,
vesicular-arbuscular mycorrhizas, morphology 2327.
radication,
Barberis vulgaris, USA, disease control, Triticum stem rust pathogens 1389.
potato virus X, potato virus Y, infection, Solanum tuberosum, heat treatments,
meristem bip culture use 2155.
potato virus X, Solanum tuberosum cultivars, use, ribavirin 1239.
remochloc ophiluroides,
pathogenicity, Rhizoctonia zeae 5701.
remothecum ashbyl,
monoterpenes biosynthesis 2385.
rgosine,
plosynthesis, thiazolidine-4-carboxylic acid incorporation 1032.
rgosiera,
John Michael Carlos of the proposition, floridon, Sorghum vulgare, pathology, Sorghum vulgare 5720.
biosynthesis, inhibition, fungicides, association Sphaerotheca fuliginea
sensitivity 9487.

5720: biosynthesis, inhibition, fungicides, association Sphaerotheca fuliginea sensitivity 943: Saccharomyces cerevisiae, biosynthesis defective mutant, relationship sterols production 9187: Ustilago maydis, biosynthesis, fungicides inhibition 1595.

Ustilago maydis, biosynthesis, fungicides inhibition 1595. rgot, alkaloids, biosynthesis, B-naphthylalanine induction, Claviceps 6590. alkaloids, biosynthesis, Claviceps purpurea 5557. alkaloids, Claviceps purpurea, biosynthesis, association, morphology 3867. Claviceps fusiformis, Pennisetum typholdeum, incidence, relationship planting time 5712. Claviceps purpurea, food poisoning, reviews, man 1074. Gramineae, epidemiology 1151. reviews 5560.

biosynthesis. Claviceos purpurea defective mutant 7506.

Claviceps purpurea, production, structure 6594. production, Claviceps, biotin effects on 4914. rica carries

nca carried, roots, endomycorrhizas infection, ultrastructure, morphology 9504.

**Caccess, mycorrhizas, ecophysiology, nutrient transport, absorption, nitrogen sources, phosphate 9538.

Reales.

nicales, ecophysiology, nutrient transport, absorption, nitrogen sources, phosphate 9538, ingeron bonariensis, plant extracts antifungal activity, storage fungi 7934.

Tosion, microorganisms activity 7826. systems experiments a sactivity 7826, arguing funding transport of the proposition, disease resistance, genes, Triticum aestivum, cell walls chemical composition association 9476.

harinia, bacteriocins biosynthesis induction, U.V. radiation, mitomycin C 760. black leg. Solanum tuberosum, characterization 2153. canker, Carica papaya, symptoms, Achotina fulica vectors, Mariana Islands 1222. glucose fermentation, 2-keto-L-guionic acid production 928. plant diseases, roots, crops, greenhouses, USA, North Carolina 9411. plants pathogens, preservation, gels+cold storage 2688. root rot, disease resistance, plant breeding, Beta 1376. soft rot, tubers, Solanum tuberosum 6609. strains, proteins, gel electrophoresis 3582. winia amylovora, amylovori, host specificity, Cotoneaster pannosa, spiraea vanhouttel, Malus pumila 9371. frebilight, bactericides, disease control, Pyrus 1207.

pumila 9371.

fireblight, bactericides, disease control, Pyrus 1207.

fireblight, bactericides, disease control, Pyrus 1207.

fireblight, disease control, fungicides, screening, seedlings, Malus pumila 1406.

fireblight, disease control, fungicides, screening, seedlings, Malus pumila 1406.

soletion, Rosaceae, characterization 419.

winia atroseptica,

polygalacturonase isoenzymes characterization 6547.

winia carotovora,

disease spread, rhizosphere, roots, Cucumis sativus 4997.

disease spread, rhizosphere, roots, Cucumis sativus 4997.

disease spread, rhizosphere, roots, Cucumis sativus 4997.

disease spread, rhizosphere, roots, Cucumis valve valve, Triticum aestivum,

straw, Ruminatia 254.

Heliurotus ostreatus, culture, effects on, infectivity, Solanum tuberosum 3061.

winia carotovora subsp.atroseptica,

black leg, interaction, Fusarium, Verticillium dahliae, wilt, effects on, Solanum

tuberosum 1251.

soft rot, tubers, Solanum tuberosum 5752.

Erwinia carotovora subsp.carotovora,
black leg, interaction, Fusarium, Verticillium dahliae, wilt, effects on, Solanum tuberosum 1251.
carotovoricin effects on, macromolecules, biosynthesis, nutrient transport, ATP

Lycopersicon esculentum post-harvest decay, temperature, suspensions depth effects on 1330.

post-harvest decay, potatoes 2235.

post-harvest decay, potatoes 2235.
rol, temperature, wound healing, susceptibility, Solanum tuberosum 3062.
soft rot, pathogenicity, storage, culture collections 2239.
soft rot, pathology, Lactuca sative 384.
soft rot, tubers, Solanum tuberosum 5752.
Erwinia carotovora var.chrysanthemi,
Zea mays stalk rot, fertilizer applications effects on 1197.
Erwinia chrysanthemi,
biotyping, pathogenicity, Zea mays, ornamental plants 4927.
inoculation methodology, ornamental plants, greenhouses 2229.
leaf blight, nitrogen sources effects on, Philodendron selloum 1298.
postate lyase biosynthesis, water activity relationship 9185.
post-harvest decay, Solanum tuberosum, storage effects on disease resistance
7721.

rot, disease resistance, Solanum tuberosum subsp.andigena 3132. stalk rot, Zea mays, symptoms, pathogenicity 2140. Erwinia chrysanthemi pv.zeae, stalk rot, top rot, Zea mays, Brazil, new records 2141.

stalic rot, top rot, zea mays, create, now zero financial control, biological control, bacteria, ice, nuclei, activation, cryoinjury, Zea mays 8643. inhibition, Pseudomonas syringae, ice nuclei activation, biological control, cryoinjury, Zea mays 8642. smoke, effects on, ice nuclei formation, activity 8527.

antigens detection, enzyme-linked immunosorbent assay, Watermark disease, Salix alba 6919.

Erwinia stewartii, media (selective) 9053. wilt, disease resistance, plant breeding, Zea mays 1346.

Erynla necephidis, biological control, conidia, spores, survival, environmental conditions, Insecta 1009.

biological control, conidia, spores, survival, environmental conditions, Insecta 1009, conidia, biological control, Aphdidae 8361.
Erynla phytonomi, biological control, Hypera postica, kocide effects on 7485.
Erysipelotrix rhuslopathiae, serotyping 6329.
Erysiphe, leafspot, Medicago sativa 5670.
Erysiphe cichoracearum, amino acids, amidination, antifungal activity 2478.
antifungal activity, pyrazoles derivatives 6875.
downy mildew, Helianthus annus 4006.
powdery mildew, disease control, greenhouses plants, ectaconazole treatment 5004.
powdery mildew, disease resistance, Helianthus 1278.
powdery mildew disease resistance, Plant breeding, Zinnia elegans× Zinnia
angustifolia interspecific hybridization 7729.
powdery mildew. Leguminosae, epidemiology 8336.
powdery mildew. Evisuariora (Lucumis sativus, Triticum, disease resistance,
cultural conditions 2250. powdery mildew, Leguminosae, epidemiology 8536.
powdery mildew, Vitis vinifera, Cucumis sativus, Triticum, disease resistance,
cultural conditions 2250.
white mold, disease resistance, Nicotiana tabacum 4091.
white mold, disease resistance, Nicotiana tabacum 4091.
white mold, Nicotiana tabacum, disease resistance 4074.
Eryajhey argminis,
amino acids, amidination, antifungal activity 2478.
antifungal activity, pyrazoles derivatives 6875.
infection, roots, Hordeum vulgare 325.
mildew, disease resistance, relationship, cytokinins levels, grain, Triticum
asstivum, Hordeum vulgare 2259.
plant diseases, Triticum, disease control, fungicides 5830.
powdery mildew, diacium intrate, potassium phosphate, effects on, disease
resistance, Triticum aestivum, Hordeum vulgare 378.
powdery mildew, disease resistance, genetic analysis, Hordeum 8627.
powdery mildew, disease resistance, genetic analysis, Hordeum 8627.
powdery mildew, Hordeum, disease resistance, genetic analysis 471.
powdery mildew, Vitis vitilera, Cucumis sativus, Triticum, disease resistance,
cultural conditions 4518.
Exportation, service and conditions 4518.
Exportation, service and conditions 4518.
Exportation of the phorder of the properties of the properties of the phorder of the

483.

Hordeum vulgare powdery mildew, spores dispersal spring, Denmark 2127.

infection, Denmark, condia dispersal, Denmark 2128.

infection, Hordeum vulgare, disease resistance, association, MI-a locus 8611.

infection, Hordeum vulgare, disease resistance, genetic control 6840.

infection Hordeum vulgare, clisease resistance, genetic control 6840.

infection Hordeum vulgare, pathogenesis, morphology acception 4857.

powdery mildew, disease resistance, estersase, profesies, Hordeum vulgare 4060.

powdery mildew, disease resistance, Hordeum vulgare varieties, mechanisms 408

powdery mildew, disease resistance, Hordeum vulgare varieties, mechanisms 408

powdery mildew, disease resistance, Hordeum vulgare varieties, profesies, powdery mildew, thordeum vulgare 1362.

powdery mildew, Hordeum, disease resistance 482.

powdery mildew, Hordeum vulgare disease control, Hordeum vulgare 9489.

powdery mildew, Hordeum vulgare disease resistance, association, age, growth rate, carbohydrate composition, amino acid composition 6857.

powdery mildew, Hordeum vulgare, simulations 8554.

6775.

powdary mildew, Hordeum vulgare, simulations 8554.

powdary mildew, penetration, coleoptile, Hordeum vulgare 3947.

powdary mildew, translocation, roots growth, water stress, Hordeum vulgare 3935.

powdary mildew, Triticum, Hordeum, treatment, drug resistance 2126.

powdary mildew, virulence gene frequency, Hordeum vulgare 5041.

powdery mildew, virulence selection, disease resistance genes, Hordeum vulgare 8550.

Escherichia coli, (continued) ampicilin susceptibility, ambiorics pretreatment 7061. anaesthetics ambiacterial activity 7926 analysis, water springs 9815. anilazine, effects on, growth, respiration, enzymatic activity 5168. aniline derivatives conversion, diazonium satis biosynthesis 3741. animal isolates, antibioric resistance, ambioritic sensitivity testing, surveys Erysiphe graminis f.sp.hordel, (continued) Liyapne gramme rap.norde, (continued) spores, counting methods, spectrophotometry, I.R. radiation 3634, tridemorph effects on 4128, virulence, disease resistance, gnentic analysis, Hordeum vulgare 8607. Erysiphe graminis f.sp.tritici, infection, Triticum aestivum, disease resistance, screening 1347. pentide manunc 026. Erysiphe graminis f.ap.tritici, infection. Triticum aestivum, disease resistance, screening 1347. peptide mapping 925. powdery mildew, disease resistance, Triticum aestivum 2263. powdery mildew, disease centrol, disease control, tradimeton 1422. powdery mildew, Triticum aestivum, disease control, tradimeton 1422. powdery mildew, Triticum aestivum, disease centrol, tradimeton 1422. powdery mildew, Triticum aestivum, disease resistance inheritance 9464. powdery mildew, Triticum, Hordeum, Ireatment, drug resistance 2126. inoculation methodology, Pisum sativum 9336. phospholipase, punfication, activity 6541. Erysiphe politiconi, powdery mildew, disease resistance, Lupinus 9467. Erysiphe politiconi, powdery mildew, disease control, fungicides, coriandrum sativum 493. powdery mildew disease control, fungicides, coriandrum sativum 493. powdery mildew disease control, greenhouses plants, ectaconazole treatment 5004. powdery mildew, genepointiby, Parssica napus mixtures effects on 4043. powdery mildew, pisungenicity, Parssica napus mixtures effects on 4043. powdery mildew, pisungenicity, Parssica napus mixtures effects on 4043. powdery mildew, pisungenicity, Parssica napus mixtures effects on 4043. powdery mildew, pisungenicity, Parssica napus mixtures effects on 4043. powdery mildew, pisungenicity, Parssica napus mixtures effects on 4043. powdery mildew, pisungenicity, Parssica napus mixtures effects on 4043. powdery mildew, Epstein-Barr virus, lymphoblastoid cell lines 6067. Erythrocytes, Araplasma marginale infected, proteins characterization 6379. herologics influenza & virus animense releterton factors affecting 824. 634.
animal isolates, antibiotic resistance, surveys 3287.
animal isolates, colicin V production 3431.
antibacterial activity, Chromobacterium violaceum antibiotic Y-T0678H 9768.
antibacterial activity, B-hydroxythiolesters derivatives 8752.
antibacterial activity, B-lactam antibiotics 739.
antibacterial activity, B-lactam antibiotics 4330.
antibacterial activity, B-lysin, association outer membranes 3316.
antibacterial activity, aminoglycoside antibiotics+cephalosporins, antibiotic synerium 736. antibacterial activity, aminoglycosice antibiotics*-cepniaosporinis, antibiotic synergism 796.
antibiacterial activity, anesthetics, structure-activity relationships 6051.
antibiacterial activity, antibiotic synergism, clavulanic acid, ticarcillin 6147.
antibiacterial activity, antibiotics ynergism, semisynthetic penicillins, aminoglycoside antibiotics 7125.
antibiacterial activity, antibiotics+ ethonium 1558. antibacterial activity, antimicrobial agents combination, dose-response effects antibacterial activity, bicyclomycin 2595.
antibacterial activity, carbazole derivatives 7961.
antibacterial activity, cefacior, cefadroxil 731.
antibacterial activity, cefotetan, role β-lactamase 4370.
antibacterial activity, Cepfolalosporins derivatives, structure-activity Exturrocytes,
Anaplasma marginale infected, proteins characterization 6379.
hemolysis, influenza A virus antigens detection, factors affecting 824.
sheep, cell culture secretions, antibacterial activity 604,
stabilization, methodology, hemagglutination, hemagglutination inhibition,
viruses 5371.

Erythromycin,
antibacterial activity. Campulohacter fetus subspicieus in Campulohacter fetus subspicieus in Campulohacter fetus subspicieus. antibacterial activity, relationships 8840. relationships 8840. antibacterial activity, eDTA+tromethamine+antimicrobial agents 9765. antibacterial activity, EDTA+tromethamine+antimicrobial agents 9765. antibacterial activity, fosfomycin 7184. antibacterial activity, medilinam+nocardicin A, cytolysis, inhibition protein vruses 5371.

vruses 5371.

enthormyclin,
en antibacterial activity, fosformycin 7184. antibacterial activity, meclilinam+nocardicin A, cytolysis, inhibition prote biosynthesis 2555. antibacterial activity, mezlocillin, azlocillin, +cephalosporins 6148. antibacterial activity, nezlocillin, comparison, penicillins 6141. antibacterial activity, N-Posi(alkylimethyl-1, 2-ethanediamine dioxides, N.N-bis(alkylimethyl)-1,2-propanediamine dioxides, structure-activity relationships 736-1. 7116. antibacterial activity, norfloxacin 7062 antbacterial activity, hormaceutroals 8753.
antbacterial activity, pharmaceutroals 8753.
antbacterial activity, pharmaceutroals 8753.
antbacterial activity, polyenols structure-activity relationships 8758.
antbacterial activity, sorbic acid, pH 7065.
antbacterial activity, synthetic gratisin 8884.
antbacterial activity, synthetic gratisin 8884.
antbacterial activity, temocillin 5254.
antbacterial activity, 1-ayrb-3(3-nitro-4-methoxyphenyl)-5-phenyl formazan, 3-aryl-5-(3'nitro-4'-methoxyphenyl)-2-phenyl tetrazolium bromide 6082.
antbacterial activity. 3-aryl-5-(3-nitro-4-methoxypnenyl)-2-pnenyl tetrazoiium promide ouoz. antibacterial activity, 3-aryl-2-arylimino-4,5-disubstituted-∆ 4-thiazolines 4318. antibacterial activity, 5-fluorouracil derivatives 9663. antibacterial agents stress injury, growth delay analysis 9033. antibiotic L-640,876 antibacterial activity, mechanisms, membrane permeability 1630. inhibition sporulation, Saccharomyces, Kluyveromyces 1631. Neisseria gonorrhoeae antibiotic sensitivity testing 3382. +polymyxin, media (isolation), Yersinia pestis 1787. resistance, yeasts, mitochondria, rRNA 21S genes 1526. rosaramycin, tetracycline, spectinomycin, antibiotic sensitivity testing comparison, Mycoplasma pneumoniae 6092. Salmonella clinical isolates, antibiotic sensitivity testing 6112. sensitivity, Streptorococca animal isolates 5193. Staphylococcus clinical isolates, susceptibility 3281. Streptomyces enythraeus antibiotic resistance, association adenine dimethylation 638. antibiotic resistance, β-lactam antibiotics, role membrane permeability, porins 1542. antibiotic resistance, ampicillin, cephalothin, relationship β -lactamase activity 7028.
antibiotic resistance, chloramphenicol, analogs, R factor R26, R factor R55-1 654 antibiotic resistance, clinical isolates 1524 638.
Streptomyces erythraeus, production, propanol requirements 6171.
Streptomyces erythraeus, liquid culture, effects on 8005.
Yorania pestis ambiotic sensitivity testing 6110.
Erythromycin A, alamine peptides, binding, antibacterial activity 1632.
biosynthesis, Streptomyces erythraeus, erythronolide A glycosylation 6168.
Erythronolide A, glycosylation, biosynthesis erythromycin A, Streptomyces erythraeus 6168.
Erythronolide B, conversion, macrolide antibiotics 6167.
Escherichia, hexachlorophene drug resistance, conjugation, R factors 6030.
niridazole antibactorial activity 3328.
Escherichia coli, antibiotic resistance, clinical isolates 5153 antibiotic resistance development 6020. antibiotic resistance development 6020. antibiotic resistance prinancement mechanisms, genetic analysis 7894. antibiotic resistance, identification, contamination 8728. antibiotic resistance, milis isolates 4779. antibiotic resistance, plasmids, genetic control 2394. antibiotic resistance, pollution studies 629. antibiotic resistance. A factors, animal isolates, chickens 7043. antibiotic resistance. Plasmids 6017. antibiotic resistance, applicamia, man 645. antibiotic resistance, role, plasmids 6017.
antibiotic sensitance, septicemia, man 645.
antibiotic sensitivity testing 2393.
antibiotic sensitivity testing 6111.
antibiotic sensitivity testing 9726.
antibiotic sensitivity testing 9726.
antibiotic sensitivity testing, animal isolates, chickens 4333.
antibiotic sensitivity testing, neglacidime, agar diffusion test 4371.
antibiotic sensitivity testing, cephalosporins 2449.
antibiotic sensitivity testing, nosocomial infection, man 6098.
antibiotic sensitivity role polymyxin B 7158.
antibiotics sensitization, role polymyxin B 7158.
antibiotics sensitivity 7575.
antibiotics sensitivity role polymyxin B 7158.
antibiotics sensitivity role polymyxin B 7158.
antibiotics sensitivity role polymyxin B 7158. niridazole antibacterial activity 3328.

Eacherichia coli,
acetyl-CoA carboxylase biotin binding sites, peptide synthesis, interaction,
magnesium, N.M.R. 4632.
Achatina tulica, mucin, antibacterial activity 5185.
acyl carrier protein, purification, immunoabsorption chromatography 8193.
acyl-(acyl-carrier-protein) synthetase, purification, characterization 8246.
adenosinetriphosphatase, β-subunit, phosphate binding sites,
4-azido-2-nitrophenylphosphate photoaffinity labelling 4687.
adenosinetriphosphatase bioluminescence assays, blood culture, use, bacteremia
diagnosis 8125.
adenylate cyclase deletion mutant, transduction methodology 5401.
adherence, plastics 3492.
aerosols, dispersion, screening, methodology 7237.
alkaline phosphatase biosynthesis, relationship structure, biochemical
characteristics 8294. characteristics 8294. alkaline phosphatase subunit association, formamide effects on, role metals 2770. alkaline phosphatase subunit association, formamide effects on, role metals 27 alkaline phosphatase, use enantiomers separation, alcoholis derivatives 8289. alkyl dimethylbenzyl ammonium chloride, effects on, cytoplasmic membranes, nbosomes 5184. amikacin resistance, transposon 1n2424 mediation 7899. amino acids production, whey 3655. arminoacyl-HRNA hydrolase, dissociation, ribosomes, erythromycin, carbomycin, spiramycin, effects on 1630. aminoglycoside antibiotics, effects on, protein biosynthesis, RNA biosynthesis 6094.

```
cherichia coli, (continued)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Escherichia coli, (continued)
acteroides, mixed culture, antibacterial activity, cefotaxime, metronidazole
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Behefrichta coli, (continued)
enterdoxins, amino acid sequence 4915.
enterdoxins, amino acid sequence 6721.
enterdoxins, amino acid sequence 6722.
enterdoxins, amino acid sequence 6722.
enterdoxins, antiquenic determinants 6714.
enterdoxins, assays, Vero cells, rabbis, ileum 310.
enterdoxins bissynthesis, drug resistance, antibiotic resistance, animal
1 79994
lioassays, acetyl-CoA, aminoglycoside antibiotics purification 3415.
liodegradation, methylmercury 1 996.
lioreactors, media (culture), aeration, reviews 8084.
liotin biosynthesis, association suffur 2843.
ladmium, antibacterial activity, interaction radiosensitivity 7915.
lagsules 3-deoxy-D-manno-octulosonic acid containing polysaccharides, structure 1 2101.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 effections in placytimesis, and relations in solicities (56 soly in the six notice) and in solicities (56 soly in the six media (culture) methodology, conferences 9881, enterotoxins biosynthesis, plasmids role, association eukaryotes adenylate enterotoxins biosynthesis, plasmids role, association eukaryotes adenylate.
3191. arboxymethylhydroxymuconic semialdehyde dehydrogenase, purification, characterization 53. -casein biodegradation 2020. efodizime antibactenal activity 7142. efodizime moxalactam, antibacterial activity comparison, antimicrobial agents 6.4136.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              entertotoxins piosynthesis, plasmids role, association eukaryotes adenylate cyclase activation 7642, entertotoxins characterization, use, immunodiffusion, neutralization 7634, enterotoxins, chemical properties 9313. enterotoxins components biosynthesis 2088, enterotoxins detection, agglutination 9311, enterotoxins, detection, enzyme-linked immunosorbent assay, methodology 9969, enterotoxins, detection, hybridization analysis, enzyme-linked immunosorbent assay, 4903.
ierotakime, moxaiactam, antibacterial activity companison, antimicrobial agents
6 f326. lefotetan antibacterial activity 5198. lefotetan inactivation β-lactamase 4368. lefotetan inactivation β-lactamase 4368. lefotetan inactivation activity 1612. lefotroxime antibacterial activity 6130. lefotroxime activity 6130 lefotroxime activity 6130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          assay 4903
enterotoxins, enzyme-linked immunosorbent assay 9304.
enterotoxins, enzyme-linked immunosorbent assay, sonication 2961.
enterotoxins, enzyme-linked immunosorbent assay, sonication 2961.
enterotoxins, food poisoning, man, reviews 1104.
enterotoxins, methodology detection 6729.
enterotoxins, methodology detection 6729.
enterotoxins, peutifus political political properties 2086.
enterotoxins, populdes, synthesis, biological properties 2086.
enterotoxins, physicochemical characteristics 3887.
enterotoxins, production, milk 1111.
enterotoxins, purification 5656.
enterotoxins, purification amino acid sequence 2955.
iseluroxime antibacterial activiry 6130, sell adhesion, polystyrene substrates, measuring techniques, use, bioluminescer 4489, sell disciplion, polystyrene substrates, measuring techniques, use, bioluminescer 4489, sell cycle analysis methodology, relationship, growth rate 3559, sell disruption, methodology glass beads 6337, sell disruption, methodology glass beads 6337, sell division temperature-sensitive mutant, penicillins effects on inorgenic pyrophosphatase levels 8000. sell division temperature-sensitive mutant, penicillins effects on inorgenic pyrophosphatase levels 8000. sell injury, association, novobiocin, coumermycin 5280, sell membranes, D-amino-acid dehydrogenase, solibilization, kinetics 4694, sell suspensions, B-adrenergic blocking agents effects on turbidity 2442, sell suspensions, B-adrenergic blocking agents effects on turbidity 2442, sell suspensions, B-adrenergic blocking agents effects on turbidity 2442, sell suspensions, B-adrenergic blocking agents effects on turbidity 2442, sell suspensions, B-adrenergic blocking agents effects on turbidity 2442, sell suspensions, B-adrenergic blocking agents effects on turbidity 2442, sell suspensions, B-adrenergic blocking agents effects on turbidity 2442, sell suspensions, B-adrenergic blocking agents and activity, 640, characterization, activity 640, chorismate mutass sites, prephenate dehydrogenase localization 5487, chromatin, isolation methodology, characterization 3620, strate synthase purification, characterization 4682, christate (sil-synthase, purification, characterization 3425, chromatin, isolation methodology, characterization 3425, christate solates, antibacterial activity, ephalosporina 3425, chinical isolates, antibacterial activity, ephalosporina 3425, chinical isolates, antibacterial activity, ephalosporina 5487, sell-side isolates, antibacterial activity, ephalosporina parace, chloramphenicol, bactericidal activity, cell collicinal effects on murein biosynthesis 2465.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          enterotoxins, purification 6565.
enterotoxins, purification, amino acid sequence 2955.
enterotoxins, purification, amino acid sequence 2955.
enterotoxins, purification, characterization 592.
enterotoxins, purification, characterization 5657.
enterotoxins, purification, physicochemical properties, amino acid sequence, relationship pathogenicity 4910.
enterotoxins, radioimmunoassay 9294.
enterotoxins, subunit structure, immunochemistry, 291.
enumeration, sea water, media comparison 9956.
ethylene glycol utilization, metabolic pathways 2010.
Fl factors, arbibiotic resistance transfer, wastewater treatment 1548.
Fl factors, drug resistance, isolates, man, cattle, chickens, pigs 7039.
facturnycin artibacterial activity 3436.
fatty acid composition, antibiotic Al-87 effects on 8895.
fecal microflora isolates, fug resistance, Netherlands 7033.
fensulfothion biodegradation 7536.
food contamination, cheese production, factors affecting survival 4856.
food contamination, cheese production, factors affects on 241.
food contamination, cheese production, factors affects on pathogenicity, man 177.
food contamination, isolation methodology, effects on pathogenicity, man 177.
food contamination, coline production, purification, charter, Bangladesh formate dehydrogenase (cytochrome), purification, charterization 4651.
cycle 5259.

sompound 48/80 antimicrobial activity, mechanisms, association, cell membranes 5225.

sompound 48/80 antimicrobial activity, microflora 5181.

sontamination, mineral water, bacteria 2027.

sontamination, poultry, counting methods, factors affecting 190.

sontamination, provided the sontamination of the sontamination of the sontamination of the sontamination, sontamination, and sontamination, son
          cycle 5259
compound 48/80 antimicrobial activity, mechanisms, association, cell membranes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4847 (male dehydrogenase (cytochrome), purification, characterization 4651. N-formimidoyi thienamycin, antibacterial activity 3430, galactose-binding protein, maltose-binding protein, ligands binding 2734. β-D-galactosidase active sites, β-D-galactosylamines detection 8250. β-D-galactosidase photoaffirinty labelling 7421. β-D-galactosidase polyelectrolytes complex, effects on kinetics 8256. β-D-galactosidase purification methodology 7325. β-D-galactosidase, substrate specificity 6493. β-D-galactosidase, substrate specificity 6493. β-D-galactosidase, substrate specificity 6493. β-D-galactosidase, substrate specificity 6493. gastrointestinal tract clinical isolates, norfloxacin antibacterial activity 2455.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              gene transfer, antibiotic resistance, enterotoxins plasmids 3299.
genetic engineering, secretin biosynthesis 1970.
gentamican beachenidal activity 4387.
α-glucan phosphorylase mechanisms 1888.
glucose fermentation, heat production association, measuring techniques 1052.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          glucose fermentation, heat production association, measuring techniques 1052. glutamate decarboxylase, --, aminobutyric acid formation, mechanisms, stereospecifity 6563. glutamate decarboxylase, immobilized enzymes preparation, characterization 1855. glutamate decarboxylase, purification, kinetics 5486. glutamate synthase (NADP), chemical modification, phenylglyoxal, pyridoxal 5'-phosphate, binding NADP, c-ketoglutaric acid 5488. glycerophosphate acytriansferase, purification, characterization 8229. glycerophosphate phosphaticytiransferase, purification, characterization 8230. growth curves, association, exposure, ampicilini, amoxicilini 7054. growth, sugar inhibition, association, wound infection treatment, man, in vitro 7056
DNA biosynthesis, RINA biosynthesis, protein biosynthesis, parabens, effects on 7120.

DNA, flow cytometry, methodology, clinical microbiology 6339.

DNA polymerase I, genetic engineering, purification 7424.

DNA polymerase I, structure, electron microscopy 6535.

DNA-binding protein purification, dnaA gene 1844.

Inacin B1 bactericidal activity, association, DNA physicochemical properties 775.

DNA(guanosine-6-)-methytmansferase, measuring techniques 868.

Irinking water isolates, antibiotic resistance 3480.

Iring resistance, intestinal microffora, juveniles, chickens 2411.

Irug sensitivity testing, chlorine dioxide, relationship, growth conditions 667.

Bedruic currents, hydrogen peroxide formation, phosphates buffers, cytotoxicity longation factor G C-terminus, crystallization 2738.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                growth, sugar inhibition, association, wound infection treatment, man, in vitro 7056.
heat balance, in vitro, calorimetry+fermenters measuring techniques 7215. histamine biosynthesis, food poisoning 121. histology stains, scanning electron microscopy 866. host range, carbadox drug resistance, R factors host range 7038.
6-hydroxy-c-incotine oxidase, 6-hydroxy-D-nicotine oxidase assays 6531.
3-hydroxyacyl-CoA dehydrogenase, isolation, substrate specificity 4589.
β-hydroxydecanoyl thioester dehydratase, purification, characterization 54. immobilized cells, L-aspartic acid biosynthesis 2745. immobilized cells, L-aspartic acid biosynthesis 2745. immobilized cells, L-aspartic acid biosynthesis, enzyme activity 4579. immobilized cells, NADP* recycling, glucose-6-phosphate dehydrogenase 4672. immobilized cells, hymidine phosphorylase, activity 3694. immobilized cells, hymidine phosphorylase, activity 3694. indicator species, association, dinking water, waste water, water sources 797. indicator species, ground water microbial pollution 8979. indicator species, ground water microbial pollution 8979. indicator species, sessociation, dinking water, waste water, water sources 797. indicator species, sessociation, dinking water, waste water, water sources 797. indicators pecies, sessociates, mezing effects on 5668. infection, antibiotic resistance, gluterinary structure, X-ray crystallography 6537. isolates, microbiotic resistance 8732. solates, hospitals, antibiotic resistance 8732. solates, hospitals, antibiotic resistance 8732. solates, man, cattle, toxins production 1112. solation, juveniles cattle, feeding, milk substriutes, antibiotic sensitivity
tectric currents, hydrogen peroxide formation, prospinates buriers, cytotoxicity 2451.

Iongation factor TG C-terminus, crystallization 2738.

Iongation factor Ts, interaction elongation factor Tu, Bacillus stearothermophilus 3641.

Iongation factor Tu, amino acid sequence, comparison elongation factor 1 ac-chain, Artemia salina 4573.

Iongation factor Tu, N-tosyl-L-phenylalanylchloromethane chemical modification cysteine residues 1836.

Iongation factor Tu, purification, characterization 1835.

Iongation factor Tu, purification, characterization 1836.

Indodexyribonuclease, purification, cleavage superhelical DNA 4691.

Indotoxins, association prostaglandins, characterization 6243.

Indotoxins, association prostaglandins, characterization 6243.

Interioto Altyriatase, purification, characterization 6243.

Interiotoxins, aggliutination detection 9305.

Interotoxins, aggliutination measuring techniques 9302.
```

```
Eacherichia coli, (continued)
pol4 gene amber mutant characterization, enzymes isolation 7379,
polyth-knamethylene biguande hydrogen chloride), antibacterial activity 2450,
polyth-benzyl-4-vinylpyridinium bromide), removal, water treatment, methodology
Escherichia coli, (continued)
                         testing 8742.
           isolation, milk, meat 3826
         isoleucyl-tRNA synthetase activation isoleucine activity, role ATP 4596.

a-ketogiutarate dehydrogenase multienzyme complexes, self-association, light
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9046
polymyxin B effects on ions permeability 758.
porins, X-ray diffraction 6380.
porins, X-ray diffraction 6380.
poultry animal isolates, drug resistance, antibiotic resistance 1535.
predator-prey interactions, Tetrahymena pyriformis, attachment, continuous culture 2673.
protein biosynthesis, aminoglycoside antibiotics inhibition 2558.
pyrroline-5-carboxylate reductase, gene mapping, protein biosynthesis, purification 1830.
         scattering 8269.

B-lactam antibiotics+antineoplastic drugs synergism, antibacterial activity
         338b - lactam antibiotics diffusion, cell membranes porins 718. 
B-lactamase, clavulanic acid analogs, inhibition 6214. 
B-lactamase, inhibition, iodopenicillanate, bromopenicillanate 3404. 
B-lactamase, isoelectric locusing 7383. 
B-lactamase, isoelectric locusing methodology, cellulose acetate membranes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    pyruvate dehydrogenase multienzyme complexes, mechanisms, mathematical modi
7311.
                       9038
         β-lactamase isolation, purification 4665.
β-lactamase, mechanisms 86.
β-lactamase precursors bioaccumulation, association globomycin treatment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    pyruvate dehydrogenase multienzyme complexes, purification, characterization 4644.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4644.
pyruvate kinase isoenzymes, purflication, characterization 6422.
rabies virus glycoproteins analogs gene expression 8046.
recovery, dairy products, food contamination 4817.
reduction, composting, sewage sludge 8938.
relationship, Salmonella, contamination, Crassostrea virginica, Mercenaria campechiensis 2042.
resistant mutant, selection, characterization, 8-lactam antibiotics 5165.
respiratory tract infection, bekanamycin treatment, man, antibacterial activity
         β-lactamase, purification, characterization 2787, β-lactamase, purification, kinetics 9140.
         B-lactamase, uptake, association, antibiotic resistance, cephalosporins 9644.
B-lactamase, 6-acetylmethylenepencillanic acid inactivation 5248.
B-lactamase, 6-acetylmethylenepenicillanic acid inactivation, mechanisms
         lacZ gene, fusion, promoters, terminators, rifampicin effects on gene expression 1626.
       1626
levels, water supplies, Germany, Fed. Rep. 1716. lipid bilayers, β-lactam antibiotics permeability 6087 lipocobjacendrides, radioimmunoassay, solid phase methods 9296. liquid culture, comparison, agar, media (culture) 9057. liquid culture, comparison, agar, media (culture) 9057. liquid culture, comparison, agar, media (culture) 9057. liquid culture, comparison, agar, media activity 1552. proceilingam - β-lactam antibiotics antibiacterial activity 3314. media (selective), agar methodology 2702. megamodulin, purification, characterization 7301. membranes, mannans biosynthesis 110. methorine biosynthesis, mutation effects on genes regulation 7481. methonyl-tRNA synthetase, aminoacylation activity, role zinc 953. methonyl-tRNA synthetase, methionine activation, structure-activity relationships 4597.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  intel.

Those-binding protein, purification, characterization 6375.

ribosomal protein L29 ribosomal protein L30, tertiary structure, hydrodynamics, C.D., N.M.R. 1838.

ribosomal protein S1, amino acid sequence statistical analysis 4567.

ribosomal protein S14, amino acid sequence, secondary structure, predictions 4566.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              nbosomal protein S14, amino acid sequence, secondary structure, protections 4596.

ribosomal proteins, ribosomal subunit 30S, high-performance liquid chromatography, fractionation 1775.

ribosomal subunit 50S, ribosomal proteins, C.D., N.M.R. 7298.

ribosomal subunit 50S, ribosomes, tyrosine residues, iodination 7289.

rifampion effects on transcription 1627.

RNA polymerase, mutants structure-activity relationship 4661.

sea water, antibacterial activity 3318.

seasonal vanations, survival, estuanes, factors affecting 6268.

sensitivity, fosfomycin, ± amoscillin 8040.

Shipelia sonnei, collerins, production, antibacterial activity 689.

sideromycin antibiotic resistance, association to A gene proteins 641.

stereochemistry, phosphoenolpyruvate-fructose phosphotransferase mechanisms of streptomycin, antibiotic resistance genes, mutants, selection methodology 4481.

streptomycin, antibiotic resistance genes, mutants, selection methodology 4481.

streptomycin, antibiotic resistance selection, characterization 1912.

sulbactam, antibacterial activity 2545.

sulbactam, antibacterial activity 2545.
     relationships 4597.
mezlocillin+penicillins antibacterial activity synergism 7058.
microbial poliution, counting methods, estuaries, marine environment 6258.
microbial poliution, rivers, hydrology 1724.
microbial poliution, surface water 1708.
microbial poliution, swimming, recreation sites, Escherichia coli 8970.
microbial poliution, swimming, recreation sites, Escherichia coli 8970.
microbial poliution, purfication, filtration, methodology 9888.
misconida 150, enzymes activity inhibition 6235.
minicellis, isolation, purfication, filtration, methodology 9888.
misconidazole, m-AMSA effects on radiosensitization, toxicity 666.
morphology, thiophosphamide, cyclophosphan, cytotoxicity 2444.
mutants, dryg resistance, nitrofurazone, servicionia 276.
mutants, tryptophanase overproduction 9137.
Ni-dimethylodoecanamine antibacterial activity, relationship, pH, temperature, emollients 5175.
methodology, servicione activity inhibition 6235.
methodology, servicione activity inhibition 6235.
mutants, tryptophanase overproduction 9137.
mutants, servicione activity inhibition 6235.
mutants, servicione activity inhibition 6235.
mutants of the servicione activity inhibition 6235.
microbial poliution, servicione activity inhibition 62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sulrocinoraminine enects on, protein biosynthesis, DNA biosynthesis ANA biosynthesis 2456. 
sulfonamide susceptibility, association, cotrimoxazole drug resistance 6004, 
sulphite reductase (NADPH), siroheme iron-sulfur centers, E.S.R. 2807. 
sulphite reductase (NADPH), sulfite, nitrite complex formation, hemoproteins
       emollients 5175.

neurotoxins, serological tests, edema diagnosis 3885.
nitrite reductase (NADH), iron-sultur centers, E.S.R. 73.
nitrofuran reductase, characterization 7316.
norfloxacin artibacterial activity 2440.
norfloxacin artibacterial activity 2453.
norfloxacin artibacterial activity 2453.
norfloxacin artibiotic resistance, media (selective) 2404.
ornifline decarboxylase, lysine decarboxylase, arginine decarboxylase, stereochemistry 6506.
outer membranes, antibacterial activity, hexametaphosphate+glycerol monocaprate 4291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sulphite reductase (NADPH), sulfite, nirite complex formation, hemoproteir subunits 2783.

superoxide dismutase, redox-potential 4588.

surrival, bactericidal activity, copper soil amendment, soils (organic) 8708.

survival, freezing, vegetables 2026.

survival, sirries, cattle animal wastes, isolation, drug resistance 2617.

temocillin, antibacterial activity 2553.

letracycline, comparison, minocycline, transport, relationship, susceptibility 1635.
                       4291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1835.

letracycline excretion, role susceptibility, antibacterial activity 9767.

letracycline sensitivity, Klebiella, letracycline sensitivity 7077.

tetracyclines resistance 1545.

tetrahydrofolate dehydrogenase, genes, trimethoprim, drug resistance 1522.

thiacycline antibacterial activity, comparison, letracycline, doxycycline, minocycline 1637.

thioredoxin, folding, conformation, C.D. 5463.

thereonice effects on, valine sensitivity, association, nutrient status 3304.

toxins gene transfer, phages conjugation, toxicity, laboratory animals, domestic animals 9315.
         outer membranes, proteolytic enzymes, activity, colicins 1914, outer membranes, succinate dehydrogenase, antibacterial activity, glycerol monocaprate 4290.
       penicillin antibacterial activity 7069.

penicillin-antibacterial activity 7069.

penicillin-binding protein, affinity ceftazidime, antibacterial activity 8835.

penicillin-binding protein, binding clavulanic acid, sulbactarin, effects on antibacterial activity 7134.

penicillin-binding protein, binding, monobactarms, association, antibacterial company.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              threonine effects on, valine sensitivity, association, nutrient status 3304.

toxins gene transfer, phages conjugation, toxicity, laboratory animals, domestic animals 9315.

toxins, purification, characterization 2952.

toxins purification, characterization, comparison Shigella dysenteriae 4909. traveller's diarrhea, vaccines development, man 8048.

traveller's diarrhea, vaccines development, man 8048.

trimethoprim resistance transfer, plasmids role 6028.

trimethylamine-N-oxide reductase, inhibition, preservatives 269. trimethylamine-N-oxide reductase, inhibition, preservatives 269. trimethylamine-N-oxide reductase, inhibition, preservatives 269. trimethylamine-N-oxide reductase, inhibition, preservatives 2821.

L-tryptophan production 9160.

tryptophan synthase, conformation, ligands binding effects on 6485. tryptophan synthase, conformation, ligands binding effects on 6485. tryptophan synthase, pyridoxal 5'-phosphate binding, N.M.R. 4628. tryptophan synthase, use L-selenocysteine enzymatic synthesis 9127. tryptophan synthase, L-selenocysteine enzymatic synthesis 9127. tryptophan synthase, use 1-selenocysteine enzymatic synthesis 9127. tryptophan synthase use, L-selenocysteine enzymatic synthesis 9127. tryptophan synthase, vary scattering 1865.

UDP-N-acetyl glucosamine 1-carboxy vinyl transferase, antibacterial activity, fostomycin inactivation 8043.

UDPacetylimanosamine dehydrogenase, purification, characterization 6450. ultrastructure, losformycin effects on 8892. uptake, oxygen, solutes, association, growth, measuring techniques equipment 9161.
                       activity 3375.
       activity 3375. 
periplasmic space, D-xylose-binding protein, purification, characterization 6376. 
periplasmic space, L-arabinose-binding protein, galactose-binding protein, purification, characterization 6374. 
periplasmic space, matose-binding protein, purification, characterization 6373. 
perisistence, depuration, Mercenaria mercenaria 2052. 
pH, temperature, effects on, growth, animal wastes, pigs 8954. 
Phosphate bach culture 678-methodic legislopping space 4552.
       priosphate back culture 678.

phosphate-binding protein biosynthesis, relationship phos gene 4553.

phosphatidylserine decarboxylase, purification, characterization 8232.

phosphatidylserine synthase, purification, characterization 8231

phosphoenolpyruvate carboxylase, purification 965.

phosphoenolpyruvate protein phosphortransferase, enzyme I phosphorylation, protons

transfer stereospecifity 7398.
       transier stereospecitity 7398.

6-phosphortuckiniaes isoenzymes, purification, characterization 6433.

phosphoribosyl-anthraniate isomerase indole-3-glycerol-phosphate synthase, X-ray crystallography 960.

3-phosphoshkimate 1-carboxyvinyltransferase, purification, characterization
     pili antigens, agglutination assays 5383.

pili, dentification, use, receptors specificity agglutination 880 pili, purification, use, receptors specificity agglutination 880 pili, purification methodology 7249 pili receptors, hemaglutination, identification, blood group P1 5402, pili, separation methodology 9082 piromidic acid antibacterial activity, 1556, plasmid pKH80, relationship antibiotic resistance 631, plasmid pKH80, relationship antibiotic resistance 631, plasmid pKH90 transfer, Enerobacter cloacee, introgen fixation 5113, plasmids, antibiotic resistance, association, cadmium sensitivity 1536, plasmids DNA isolation methodology 87748, plasmids DNA, isolation methodology 9875, plasmids, genetic control, antibiotic resistance, fusidic acid, role, chloramphenicol acetyltransferase 9649, plasmids mediation β-lactamase production, screening methodology 3594, plasmids mediation β-lactamase production, screening methodology 3594,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9885.
uridine phosphorylase, purification 9184.
urinary tract clinical isolates, antibiotic resistance 7034.
urinary tract clinical isolates, norfloxacin antibacterival activity 9671.
urinary tract infection, detection, gas chromatography methodology 9929.
urinary tract rosolates, antibiotics sensitivity 8813.
viability, food films, surfaces, refrigeration 2025.
viability, freeze-thawing, skim-mik 220.
water isolates, rivers, antibiotic resistance, R factors incidence 7204.
materi solates, rivers, antibiotic resistance, R factors incidence 7204.
```

Easential offices, antimicrobial activity 2495.
Acorus calomus, antimicrobial activity 2495.
antimicrobial activity, airborne microorganisms, fungi, synergism, ethanol+sodiur

sential olis, (continued) chloride+acetic acid 7115. Caesulia axiliaris, antifungal activity, Helminthosponum oryzae 4297. Mentha arvensis var.piperascens, antifungal activity, Helminthosponium oryzae Ethanoi, (continued)
glucose transport, Saccharomyces cerevisiae, effects on 1518. Helainthus tuberosus carbohydrates, role yeasts 2389.
inhibition ethanol fermentation, Zymomonas mobilis 7515.
inhibition, lievareomyces marxianus, kinetics 1988.
inhibition, levansucrase activity, Zymomonas mobilis 8270.
inhibition, relationship, glucose substrates concentration, Saccharomyces cerevisiae, Saccharomyces bayanus 2870.
ii +isopropanoli+butanol, fermentation, Clostridium beijerinckii immobilized cells 9241. preservatives, antimicrobial activity 706. treatment, unnary tract infection, man 2430. sterase, iHordeum vulgare disease resistance, powdery mildew, Erysiphe graminis f.sp.hordei 9241 Hydrolysis, polyoxyethylene sorbitan monooleate, purification, characterization, Mycobacterium smegmatis 8265. Inhibitors, ebelactone, structure, Streptomyces 2809. Tween 80 hydrolysis, mycobacterium, purification physicochemical properaties Sec41; devels, factors affecting Zymomonas mobilis cell culture 9056. levels, Saccharomyces uvarum, wort nutnent requirements, brewing 7516. levels, sealcod spoilage, detection, bacteria 8458. media, yeasts growth, lipids biosynthesis 7468. media, yeasts growth, lipids biosynthesis 7468. diazomethane oligo(D-galactosidiuronic acids), pectinesterase effects on, Aspergillus foetidus 8251. Neurospora crassa, production, use, cellulose 4740, production, association, Saccharomyces cerevisiae immobilization methodology 7217. 7217.
production, association starch degradation 1051.
production, bacteria, books 5447
production, bestis fermentation, yeasts 7508.
production, biomass conversion, sugars fermentation, conferences 10010,
production, biomass conversion, sugars fermentation, conferences 10010,
production, biomass conversion, sugars fermentation, conferences 10010,
production, Candida mutants, oxygen uptake relationship 8396
production, Candida shelatae, D-xylose fermentation 8407,
production, Candida utilis, continuous culture, mathematical models, oxygen stuaries, biodegradation, surfactants 5596. Escherichia coli survival, seasonal variations, factors affecting 6268. Isolation, Vibrio cholerae, microbial poliution 2629, microbial pollution, Escherichia coli, Vibrio cholerae, counting methods 6258. microbial pollution, mathematical models 9813. sediments, aromatic compounds, hydrocarbons, metabolism, microorganisms 5145, sediments, bacteria biomass, muramic acid indicators, gas chromatography 9027, sediments, enterris viruses, isolation methodology 8106, sewage effluents, waste disposal effects on viruses levels 1704. production, Candida utilis, continuous culture, mathematical models, oxygen effects on 4731.
production, cellulase activity, Trichoderma 1047.
production, Colstridium thermocellum, association, cellulose conversion 9249.
production, crop residues, cellulase activity, Trichoderma 4727.
production, fementation, starch, selection, yeasts, strains 3756.
production, fructose utilization, Zymomonas mobilis 7514.
production, growth conditions, media (culture), Clostridium saccharolyticum 5575.
production, growth conditions, intrient requirements, Clostridium saccharolyticum 5576. thambutol, analogs antibacterial activity. Mycobacterium, association, tuberculosis treatment 5188. ureament o 166. antibiotic synergism, antibacterial activity, Mycobacterium intracellulare 3309. ± dimethyl sulfoxde, antimycobacterial activity. Mycobacterium avurum-intracellulare 2401. drug sensitivity testing, Mycobacterium intracellulare, infection, monkeys, clinical aspects 4265. 5574 5574, production, immobilized cells, yeasts, carbon dioxide inhibition 8397. production, Kluyveromyces fragilis, lipids effects on 2866. production, Pachysolen tannophilus 2871, production, Pachysolen tannophilus, use, hydrolysates, Pinus radiata, Populus tremulordes 8411. production, Penicillium funiculosum+Saccharomyces uvarum, cellulose, thane, gas production, soil microorganisms, soil moisture, nitrate effects on, anaerobic conditions 9567. thanediol,
Penicillium simplicissimum, biodegradation 167. fermentation, hydrolysis 8401.

production, relationship Zymomonas mobilis ultrastructure, glucose utilization thanol, intrinicrobial activity, airborne microorganisms, fungi, synergism, sodium chloride+acetic acid+essential oils 7115. Iqueous solutions, antibiotics acid-base status 5234. production, Saccharomyces, carbohydrates conversion 4738. production, Saccharomyces carisbergensis, nutrient en enrichment effects on 8408. production, Saccharomyces cerevisiae, aerobic conditions, mitochondria mutants bactericidal activity, bacteria contamination, enterovirus immobilization, bentonite 3523. production, Saccharomyces cerevisiae, association, hybridization, protoplast bentonte 3523.
biosynthesis, Candida utilis growth, fermenters 138.
biosynthesis, Candida utilis growth, fermenters 138.
biosynthesis, candida utilis growth, fermenters 138.
biosynthesis, com fermentation, batch culture, bacteria 134.
biosynthesis, kluyveromyces manzianus, inulin effects on 3748.
biosynthesis, reactors, yeasts 139.
biosynthesis, Saccharomyces cerevisiae immobilized cells, acetaldehyde biosynthesis 131.
biosynthesis, Saccharomyces cerevisiae immobilized cells, glucose fermentation 137.
biosynthesis, sugars fermentation, yeasts 7525. producion, Satcharomyces cerevisiae, association, involvalization, protoptast fusion, genetic engineering 8402. production, Saccharomyces cerevisiae, association, immobilization use pectin 6631. production, Saccharomyces cerevisiae, cellulose, films, immobilized cells 6632. production, Saccharomyces cerevisiae immobilized cells reactors 3743. production, Saccharomyces cerevisiae, wild type, comparison, mitochondria mutants 8400. production, Saccharomyces mixed culture 4736, production, Saccharomyces, role, membranes fatty acids 6633, production, Saccharomyces rosei, use, Helianithus tuberosus plant extracts, inulin 8410. 137. biosynthesis, sugars fermentation, yeasts 7525. biosynthesis, xylose fermentation, Pachysolen tannophilus 135. biosynthesis, yeasts, cellulose metabolism 7510. biosynthesis, Zymomonas mobilis, fermentation, proteins+phospholipids complex use 144. production, Saccharomyces rosei, use, Helianthus tuberosus plant extracts, inul 8410.
production, Saccharomyces, use, barnboo substrates 9225.
production, Saccharomyces uvarum, immobilized cells 6634.
production, separation fechniques, association, adsorption-desorption 9242.
production, separation fechniques, association, adsorption-desorption 9242.
production, use, wastes, books 10000.
production, whey, Kluyveromyces bulgaricus, Kluyveromyces fragilis 4732.
production, whey, microorganisms 3762.
production, yeasts, cellobiose fermentation 9226.
production, yeasts, cellobiose fermentation 9226.
production, yeasts, fermentation, analysis methodology 7524.
production, yeasts fermentation, models, reviews 7522.
production, yeasts fermentation, parameters 7523.
production, yeasts, pentoses conversion 9236.
production, yeasts, pentoses fermentation 4728.
production, zymomonas mobilis, bioreactors 6835.
production, zymomonas mobilis, pentoses revisiae, wood cellulose hydrolysis, Trichoderma 3750.
production, zymomonas mobilis, sectors fermentation 9233.
production, zymomonas mobilis, sectors fermentation 9233.
production, zymomonas mobilis, sectors affecting 8414.
Saccharomyces cerevisiae, fermentation, com, factors affecting 8414.
Saccharomyces cerevisiae, fermentation, open factors affecting 8414.
Saccharomyces cerevisiae, fermentation, open factors affecting 8414.
Saccharomyces cerevisiae, fermentation, open factors affecting 8414. 144.
Candida, cellodextrins férmentation 2872.
dairy products, bacteria, fermentation efects on 4853.
effects on glucose biosynthesis, cellulose fermentation, Trichoderma reesei,
Saccharomyces cerevisiae 4705.
effects on, thermal injury, growth, Kluyveromyces fragilis 8394.
evaporation, fermentation yield 8399.
fermentation, β-glucanase effects on, Bacillus 1993.
fermentation, association, Saccharomyces cerevisiae immobilized cells, glycerol biosynthesis 127.
fermentation, association, sweet potatoes, use, Endomycopsis fibuligera stabilization subtilisin, Bacillus subtilis 5503. starches conversion, mixed culture, Saccharomycopsis fibuliger+Zymomonas mobilis Streptomyces griseus, effects on NAD(P)⁺ nucleosidase biosynthesis 2797. temperature, effects on, com, Aspergilius oryzae, fermentation 8395. tolerance enhancement, Tween 80 role, Saccharomyces, sake fermentation 9244. tolerance, Saccharomyces cuvaram mutants, selection methodology 4520. uptake, Saccharomyces cerevisiae, fermentation relationship 9246. fermentation, Saccharomyces cerevisiae, wood, acids, hydrolysates 4734.
fermentation, Saccharomyces cerevisiae, wood, acids, hydrolysates 4734.
fermentation, starch metabolism, yeasts 5570.
fermentation technology 7536. fermentation technology 7536. fermentation, wastes waste treatment, by-products recovery 9803. fermentation, yeasts 2044. fermentation, yeasts, computer applications 9228. fermentation, yeasts, conferences 3640. fermentation, yeasts, cyagen tension effects on 143. fermentation, yeasts, technology 142. fermentation, Zymormonas mobilis, efficiency 2857. formentation, Sorghum bicolor, yeasts 4735. upuate, osciriarinyosis cerevisiate, reinferniadon relationiship 924 use, Bacillus spores preservation 2699. utilization, biomass production, Torulopsis ethanolitolerans 9120. yield, Saccharomyces, inoculum levels effects on 4729. Ethanolamine, production, Bacillus brevis, gramicidin biosynthesis 774. Ethazole.

± PCNB, antifungal activity, synergism, Pythium aphanidermatum 5062.

Ethidium bromide, fluorescence staining, fungi, methodology 2720.

antibiotic synergism, antibacterial activity, Mycobacterium intracellulare 3309. ± dimethyl sulfoxide, antimycobacterial activity, Mycobacterium avium-intracellulare 2401.

Ethionine, resistant mutant, Serratia marcescens, threonine biosynthesis 4580.

Ethiopia, Shigella, incidence, drug sensitivity testing, antibiotic sensitivity testing 2525

-antibiotics, antibacterial activity, bacteria 1558.

antibiotics, antibacterial activity, Pseudomonas aeruginosa, clinical isolates

N-Ethoxycarbonyl-2-ethoxy-1,2-dihydroquinoline, chemical modification coupling factor 1 β-subunit, Escherichia coli 8268.

chemical modification coupling factor 1 β-subunit, Escherichia coll 8:288.

7-Ethoxycoumarin,
biotransformation, production, 7-hydroxycourmarin, 7-hydroxy-6-methoxycoumarin,
Streptomyces griseus 7493.

Ethyl acetoacetate,
reduction, Geotrichum candidum, ethyl 3-hydroxybutyrate production 7466.

Ethyl 3-hydroxybutyrate,
production, Geotrichum candidum, ethyl acetoacetate reduction 7466.

Ethyl 3-hydroxybutyrate,
production, Geotrichum candidum, ethyl acetoacetate reduction 7466.

Ethyl 3-hydroxybutyrate,
production, Geotrichum candidum, ethyl acetoacetate reduction 7466.

Ethyl 3-hydroxybutyrate,
production, Geotrichum candidum, ethyl acetoacetate reduction 7466.

Ethyl 3-hydroxybutyrate,
production, Geotrichum candidum, ethyl acetoacetate reduction 7466.

Ethyl-2-deoxyuridine,
drug sees infection susceptibility, pest attack, Pint.
Dendroctonus ponderosae 8651.

Ethylene,
activation nitrogenase, molybdenum-iron protein E.S.R., Klebsiella pneumoniae

Ethylia in the sees infection susceptibility, pest attack, Pint.
Dendroctonus ponderosae 8651.

Eucelitus variegatus,
vectors, yellows, mycoplasma-like organisms 9398.

Eucelit mosaec virus, poinsettia dozinate dozinate virus, poinsettia dozinate varied virus, pathorita varied virus, pathorita varied virus, pathorita varied virus, pathorita varied varied virus, pathorita varied vari

activation nitrogenase, molybdenum-iron protein E.S.R., Klebsiella pneumoniae 5523

biosynthesis, leguminosae roots, Rhizobium nodulation, sulfur fertilizers effects

on 1503.

on 1503 walls glycoproteins accumulation, Colletotrichum lagenarium, effects on nell walls glycoproteins accumulation, Branch and German effects on post-harvest decay, fungi, growth 8794.
gas production, soil microorganisms, soil moisture, nitrate effects on, anaerobic conditions 9567.

production, association, α-οxο-γ-methylthiobutyric acid, Phanerochaete chrysosporium 1517.

production, Hordeum vulgare wounds, Drechslera graminea infection 1183, production, soil microorganisms, novobiocin, cycloheximide, effects on 5907. Ethylene bisedithiocarbamate, + metalaxyl treatment, Spinacea oleracea, white rust, blue mold, disease control 5064.

5064.

Ethylene glycol,
Methanobacterium, desulfovibrio, biodegradation 8430.

utilization, Escherichia coli, metabolic pathways 2010.

Ethylene oxide,
disinfection, hospitals 9821.
production, Mycobacterium immobilized cells, bioreactors 3262.
resistance, Bacillus spores 2412.
resistance, factors affecting, Bacillus subtilis var.niger, sporulation 9705.
sterilization, indicator species, Bacillus subtilis subsp.niger, factors
affecting 4322.

Etridiazole. Eurolazone, prophylaxis, treatment, Phytophthora palmivora infection, orchards 5828. Eubacterium æerofaciens, 7β-hydroxysteroid dehydrogenase (NADP⁺) purification, characterization

958.
propachlor metabolism, 2-mercapto-N-isopropylacetanilide production 8385.
Eubacterium lentum,
biodegradation, fatty acids, bile acids 5576.
12a-hydroxysteroid dehydrogenase substrate specificity 1873.
survival, swabs transport system, temperature association 6334.
Eucalyptus,
Armiliaria luteobubalina infection, etiology 8652.
forests, leaf litter decomposition, measuring techniques 1447.
forests, soil extracts effects on sporulation, Phytophthora cinnamomi,
Phytophthora cryotogea 525.

Phytophthora cryptogea 525.
host specificity, fungi mycorrhizas 5901.
leaf litter biodegradation, relative humidity, substrates water content effects

leaf littler biodegradation, relative humidity, substrates water content effects on 153.

leafspot, fungi, New Zealand 7706.
leafspot, Septoria pulcherrima sp.nov., Trimmatostroma bifarium sp.nov., characterization 5085.

mycorrhizas, New Zealand 7774.

mycorrhizas, Species composition 1440.
phenols effects on Chyphonectria cubensis conidia spore germination, mycelia growth, role, disease resistance, canker 5814.
plant diseaseses, Cylindrocticaldium, pathology 4178.
seeds, fungal flora, characterization 3103.
Eucalyptus camaidulerells, deback, Botryosphaeria ribis, pathology 4159.
Eucalyptus camaidulerells, cheback, Botryosphaeria ribis, pathology 4159.
Eucalyptus camaidulerells, pathology 4159.
Eucalyptus camaidulerells, pathology 1150.
Eucalyptus genicolalys, Phytophthora cinnamomi infection, water relations 3982.
Eucalyptus mycorrhyncha, Phytophthora cinnamomi infection, water relations 3982.
Eucalyptus and pathology 1150.
Eucalyptus mycorrhyncha, Phytophthora cinnamomi infection, water relations 3982.
Eucalyptus and pathology 1150.
Eucalyptus and 1150.
Eucalyptus mycorrhyncha, Phytophthora cinnamomi dieback, disease transmission, pathogenesis 9523.
Tools, marties, calcium oxalate crystals defection, association ectomycorrhizas received and the pathology 1150.

symbiosis 4211.

Eucalyptus obliqua, forests, soil nitrogen mineralization 523.

Eucalyptus regnans,

forests, soil nitrogen mineralization 523.

Phytophthora cinnamomi infection, disease resistance, intraspecific relationships 8653.

Eucalyptus st-johnil,

growth rate, mycorrhizas, roots, Pisolithus tinctorius 6950. seedlings, mycorrhizas development 4208.

Eugenol,

ntifungal activity, Candida albicans, Cryptococcus neoformans 2470.

Eukaryotes, adenylate cyclase activation association, Escherichia coli enterotoxins, biosynthesis, plasmids role 7642.

Eupatorium capillifolium,

Eupatorium capilinoitum, plant extracts, antifungal activity, Helminthosporium oryzae 691. Eupanicillium anatolicum, soil microorganisms, Spain, check lists 3202.

soil microorganisms, Spain, check lists 3202.

Eupenicillium brefeldianum, brefeldin A biosynthesis, oxygen incorporation 4421.

Eupenicillium spiculosum,

Eupenicilitum apiculoaum, soil microorganisms, Spain, check lists 3202.
Euphorbia lathyrita, soil-borne diseases, pathogenicity, Macrophomina phaseolina, Pythium aphanidermatum, Rhizoctonia soliani 5002.
Euphorbia putcherrima, poinsettia mosaic virus infection incidence, Canada 5014, poinsettia mosaic virus, poinsettia cryptic virus, elimination, suspension

comparison, North America, Verticillium albo-atrum, virulence, Medicago sativa, field trials 8558.

hospitals, water isolates, Legionella longbeachae, Legionella pneumophila 6263 Europhlum clavigerum, plant diseases, infection susceptibility, pest attack, Pinus contorta, Dendroctonus ponderosae 8651.

Euscelidius variegatus, vectors, yellows, mycoplasma-like organisms 9398. Euscelis incleus,

vectors, vellows, mycoplasma-like organisms 9398.

Euscells obsoletus,
disease transmission, mycoplasma-like organisms, plant diseases 9399.

disease transmission, mycoplasma-like organisms, plant diseases 9399. Euscleidiue varlegatus, enzyme-linked immunosorbent assay, detection Spiroplasma citri 3046. Eutrophic environments, lactoria, factors affecting methanogenesis 624. Eutrypa acharil, biodegradation, Acer pseudoplatanus, ecological distribution 4181. Eutrypa armaniacae, dieback, Prunus amygdalus 6786. dieback, Prunus amygdalus 6786. dieback, Vitis vinifera, disease control, use, benomyl, USA, Mitchigan 6881. host range, plants, Australia 3900. identification, Vitis vinifera, infection, isolation 1299. isolation Vitis vinifera, infection, isolation 1299.

solation, Vitis vinifera 1299.

Evaporation,

ethanol, fermentation yield 8399. Evolution,

association, Aspergillus flavus sclerotia, aflatoxins, indole metabolites 3715. Brassica oleracea var.botrytis, disease resistance, Plasmodiophora brassicae 6861

6861.
competition, Uredinales 6764.
denitrification, denitrifying bacteria, reviews 5111.
reproductive strategy, Agancales, Gasteromycetes, ectomycorrhizas 9535.
Evolutionary genetics,
Puccinia graminis subsp.graminicola, rust, Gramineae, ecology 3004.
Exacum affine,
Nectria haematococca infection, stem rot, wilt 1262.

Excretion.

herpes simplex virus, herpes labialis, man, surfaces viability, disease spread 3491.

3491.

Excretory products,
disposal, man, pathogens control, vectors 6273.

Exc-1,3-9-D-glucenase,
self-association, Saccharomyces cerevisiae, Candida utilis, Geotrichum lactis,
Kluyveromyces phaseolosporus 44.

Exc-1,3-9-D-glucosidase,
Lycopersicon esculentum, defense mechanisms, wilt, Verticillium albo-atrum 407.

Exc-1,4--0-glucosidase,

X0-1,4-a-U-glucosidase, active sites ionization, Aspergillus awamori 6459.
Aspergillus niger, purification, characterization 29.
Aspergillus niger, purification, characterization 29.
Aspergillus oryzae, biosynthesis, factors affecting 8316.
Aureobasidium pullularis, growth rate, starch 6403.
Bacillus sublitis, bioassays 4681.
biosynthesis, Aspergillus awamori var.kawachi 3669.
Endomycopsis ibruligera, use, ethanol fermentation, association, sweet potatoes

9230 fragments, purification, characterization, Rhizopus 1909. glucose, gluconolactone binding, Rhizopus 6484. hydrolysis, starch, Trichoderma wirde 6499. immobilized enzymes, Aspergillus awamori var.kawachi, glucose production 830 immobilized enzymes, physical properties, columns 7324. production, Aspergillus niger 49. production, Aspergillus niger 101. production, protoplasts tission, transformation, Saccharomyces diastaticus 7323. purification, characterization, Alspergillus niger 939. purification, characterization, Rhizopus niveus 6456. Rhizopus, α-amylase, immobilization, use, Sepharose-6MB 9147. Rhizopus, Aspergillus niger, ethanol fermentation methodology, sweet potatoes 5569. N-terminus, C-termius, amino acid sequence Rhizopus, 7315.

5069.

N-terminus, C-termius, amino acid sequence, Rhizopus 7315. yeasts, production 3691.

Exc-1,4-9-Dqucosidase, cellulose hydrolysis, Chaetomium crispatum 9151. induction, Aspergilius terreus 7330.

Penicilium funculosum, purification, characterization 6401.

Penicillium funiculosum, purfication, characterization 6401.

Exo-1,4-β-D-xylosidese,
Bacillus coagulans, physicochemical properties 4685,
purfication, Aspergillus niger 1857,
purfication, characterization, Aspergillus niger 6462,
purfication, characterization, Bacillus pumilus 6436,
purfication, physicochemical properties, kinetics, Penicillium wortmanni 6438.

Streptomyces exfoliatus, purfication, characterization 6550.

Exo-1,3-β-glucanase,
Trichoderma pseudokoningii, carboxymethyloellulose stimulation biosynthesis.

ma pseudokoningii, carboxymethylcellulose stimulation biosynthesis 74

co-cellobiohydrolase, activity, relationship, 8-D-glucosidase levels, cellulolytic microorganisms, fungi, measuring techniques 2814. Peniciliium funiculosum, immobilization, use, poly(vinyl alcohol) 8315

||Penicilium funiculosum, immobilization, use, poly(vinyl alcohol) 831.
|Sportrichum thermophile, production 8323.
|Iransglycosylation activity, lipex lacteus 6453.
|Exor-hydroxycineole, |
|Asportilium siger, 1,8-cineole conversion 3736.
|Iransglycosylation activity lacteus 1, activity

detection, high-performance liquid chromatography, Bacillus thunngiensis 6725. kotoxin A,

Pseudomonas aeruginosa, toxoids preparation, photoaffinity labelling use 8050 xotoxins,

ampholine, effects on, biological properties, Streptococcus pyogenes 2084.

Bacillus thurngiensis, effects on Ostrinia nubilalis 7489.

bacteriostatis, cytostatic agents, effects on HeLa cells, Pseudomonas aeruginosa 1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

1108.

11

leaf blight, virulence, disease resistance, Ht gene, zea mays 1370.

xtracellular enzymes,
biosynthesis, Lipomyces kononenkoae 1853.
biosynthesis, Staphylococcus simulans, amino acids, cyclic AMP, effects on 2792.
endonuclease, adenine stimulation, Staphylococcus aureus 7329.
Penicillium, Fusarium, polygalacturonases biosynthesis 1922.
phospholipase, Candida albicans, assays, Petin dishes 7327
Pleospora infectoria, Uloctadium chartarum, effects on pathogenesis, fruit rot,
Cucumis 4015.

production, Propionibacterium continuous culture, pH effects on 7312. proteinase, Aeromonas salmonicuda, purification 9171. Pseudomonas fluorescens, triacylgiycerol lipase, purification, characterization

5491

Feetcontonias fluorescensi, tracipgiyeeroi lipsase, purification, characterization 5861.

Saccharomycopsis lipolytica, proteinase, production, purification, characterization 3681.

Soll microorganisms, activity, binding soil 2344.

Ustilago esculenta, acid phosphatase, purification 4825.

ktracellular polymera, activated sludge, bacteria, heavy metals adsorption 1690.
acquatic microorganisms, role waste water freatment, cell aggregation 8059.

Streptoc bacteria, heavy metals adsorption, activated sludge 1692.

Hyphomicrobium, polysaccharides, carbohydrate composition 3710.

Privaciding to the polysaccharides, activity, activity of the polysaccharides, locayrithesis, eviews 1951. ogenes, production 3712.

polysaccharides, blosyrithesis, eviews 1951. ogenes, production 3712.

polysaccharides, blosyrithesis, metriyolococus 9189.

polysaccharides structure, Agrobacterium tumefacienes, Agrobacterium radiobacter 9198.

Privo or Privacionium, relationship nitrogenase activity, nodules, Vigna radiata, Cicer

Rhizobium, relationship nitrogenase activity, nodules, Vigna radiata, Cicer

arretinum 8678. Xanthomonas campestris, polysaccharides biosynthesis, media (culture) 2682.
ktraterrestrial life, microorganisms, concentration, electric fields methodology 9001.
je spot, Cercospora coffeicola, Coffea, Cuba 3910.
Coffea, Cuba 2189.
Kabatiella zeae, yield reduction, Zea mays 4964.
Rizoctonia cerealis, etiology, Triticum aestivum 2124.
Zizania aquatica, etiology, Drechslera gigantea 1170.

Kabatiella zeae, disease resistance, plant breeding, Zea mays 9456. Pseudocercosporella herpotrichoides, shading, effects on Gramineae senescence

3956.
Triticum aestivum, Pseudocercosporella herpotrichoides, rainfall spores dispersal

ibrics, silver nylon, antimicrobial activity 3371.

ctor A

biosynthesis, genetic analysis, Streptomyces coelicolor, Streptomyces griseus 9219.

ctumycin,
Streptomyces lavendulae, isolation, antibacterial activity 3436.

ammonia, nitrogen, removal, wastewater treatment 5331

Li). binding regions, sercosine oxidase, amino acid sequence, Corynebacterium 6539. enzymatic synthesis, bacteria 9214. gue. gue. forests, leaf litter decomposition, nutrient dynamics 2294. forests, mortality factors, pathogens, fungi 4171. forests, soil horizons, aeroboc bacteria levels, seasonal variations 524. forests, soil nitrogen mineralization, association, nitrifying bacteria, ammonifying bacteria, seasonal variations 4137. fungi infection, association Phyllaphis fagi outbreaks 3166.

Fagus, (continued)

ragus, (connucley mycorhizas, granules, phosphorus levels, calcium levels 6973.

Fagus grandifola, bark, Deuteromycetes fungal flora 1438.

Fagus grandifolia, stands, cellulolytic microorganisms, wood decomposition, spatial distribution, population levels, bacteria, fungi 6891. Fagus sylvatica,

forests, clear cutting, Picea abies replacement, bacteria soil microorganisms population changes 7779.

forests, fertilizer applications, population density, ectomycorrhizas 8649.

forests soil, bacteria population density 4142, forests, soils (organic), nutrient balance, soil microorganisms 9514

leaf litter decomposition, bacteria, carbon, nitrogen production, association, rear inter decomposition, bacteria, carbon, nitrogen production, association, climate 202, many conduction, Basidiomycetes, spatial distribution 5860, wood, decomposition, fungi, carbon dioxide gas production, gas chromatography 9530.

Falcarindiol.

biosynthesis, Schefflera digitata, antifungal activity, dermatophyte fungi 687. Fallow land,
Triticum aestivum, effects on root rot 379.

Farmer's lung,
Thermopolyspora faeni, immunoprecipitation, diagnosis, man 4486.

Fats, beef, microflora, chemical composition 7573.

Fatshedera Ilzel, witt, Fusanum oxysorum I.sp.fatshederae 6802. Fatty acid composition, association, antibacterial activity, lysolecithin, Mycobacterium tuberculosis 4286.

Bacillus subtilis 3':5'-cyclic-nucleotide phosphodiesterase inhibitor, isolation bacteria, antibiotic AL-87 effects on 8895.

lakes sediments, organic compounds biodegradation, bacteria 7553, phospholipids, Nicotiana tabacum, hypersensitive response, tobacco mosaic virus

1741. plasma membranes, polymyxin antibiotic resistance, Pseudomonas aeruginosa 7040 relationship, viablitity, Saccharomyces cerevisiae, dehydration 1839. Staphylococcus aureus, Staphylococcus epidermidis, methicillin antibiotic resistance 8723.

Fatty acids, bacteria, inhibition, p-lactamase 6152. Calluna vulgaris heaths, isolation, identification, phytotoxicity, antifungal activity 5929.

Ciostrolium, clinical isolates identification 6321.
effects on Aspergillus flavus, Aspergillus parasiticus, aflatoxins biosynthesis

6701.
effects on, bacteria growth, crop residues digestion, forage quality 4860. Eubacterium lentum, biodegradation 5576.
metabolism, Mycobacterium, measuring techniques, radiometry 837. microorganisms biodegradation production, antifungal activity, Calluna vulgaris heaths soil, production 5930.
peanuts, Aspergillus, Phizopus, spoilage effects on 4053.
production, bacteria, use, mandarin orange peel, Japan 4260.
Saccharomyces membranes, role, ethanol production 6633.
single-cell protein, feeding trials, cattle, association cow's milk 250.
Streptococcus faecalis, gas chromatography, use, capillary column 5429.

Fatty-acid synthetase, multienzyme complexes, purification, characterization, Mycobacterium smegmatis

purification, characterization, Cephalosporium caerulens 8217. quaternary structure, electron microscopy, dimethyl suberimidate cross-linking, ultracentritygation, Brevibacterium ammonagens 276, yeasts, interaction rats mammary gland thioesterase 8279.

Pearners,
Pavo cristatus, biodegradation, keratinophilic fungi 7555.
Fecal coliforms,
contamination, drinking water, livestock 8975.
lood contamination, dairy products, confectionery 9276.
ground water movement, sewage waste disposal sites 9814.
Fecal microflora,

Escherichia coli isolates, drug resistance, Netherlands 7033. microbial pollution, drinking water, hydrogen sulfide production detection 3478. pollution detection, water pollution, pollution detection methodology, membrane filtration 2626.

role, litter decomposition, forests, Clethrionomys 1449. Streptococcus, media (isolation) 3595. Streptococcus, speciation 6304.

animals, association, fertilizers, Salmonella incidence 2637

animais, associauori, ierunizeris, Sainiorienia inculente 2007.
bacteria, man, water resources, quantification 5322.
calicivirus, detection, radioimmunoassay 9847.
cattle, fermentation, anaerobic bacteria, hydrocarbons production 5138.
Clostridium difficile cytotoxins, counter immunoelectrophoresis, immunodiagnosis, colitis 9306.

colists 300. Coliforms, Steptococcus, indicator species enumeration, water sampling, light effects on 2625. detection Clostridium difficile toxins, counter immunoelectrophoresis 4912. Gram stain, Clostridium difficile, colifis, diagnosis methodology 9940. hepatitis A, diagnosis, enzyme-linked immunosorbent assay, man 4499. solates, Salmonella typhi, association, Sphyboid fever, artigens detection, use, agglutination 841. isolation, Aeromonas, Plesiomonas, media (culture) 9896. man, isolation, Camplobacter fetus subsp.jejuni, media (transport) 9977. microbial pollution, water pollution, Brazil 9971. pathogens, sampling methodology, man 2708. Pseudomonas matlophilia, thienamycin media (solation) 9066. public health, Columbas, Cryptococcus neoformans association contamination 4457. rotavirus (human) detection, methodology comparison, man 9864. Salmonella solation, media (eninctiment) 3517. Salmonella tuebingen isolates, identification, media (isolation), food poisoning, man 9924.

man 9921. Shigella flexneri, media (isolation) 7251.

Subject Index Fenpropimorph, (continued)
disease control, white rot, Conolus versicolor, pruning wounds, Malus pumila
6873. damage, Rodentia, blister rust, Cronartum, Pinus 2318.
Epilachna varivestis, Cerotoma trifurcata, regurgitation, disease transmission, southern bean mosaic virus, Phaseolius vulgaris 6738 host plants, Spiroplasma citri, Circulifer tenellus, vectors 4920 patterns, activated studge, relationship, filamentous bacteria development, association, wastewater treatment 3476, patterns, effects on glucose metabolism, microorganisms 6247. patterns, effects on glucose metabolism, microorganisms 6247. gds, Hordeum vulgare, contamination, ochratoxin A, Aspergillus ochraceus, sedling behavior. Feeding. Fensultothion biodegradation, soil microorganisms 7538. conversion, Klebsiella pneumoniae, fensulfothion sulfide biosynthesis, accumulation 8367.

Fensulfothion sulfide,
biosynthesis, accumulation, Klebsiella pneumoniae, fensulfothion conversion 836

Fenvalerate, ase control, Rhizoctonia solanı, Glycine max 8625. Getoxincation 702.

Seeding behavior,
Aphididae, potato leaf roll virus, disease transmission, permethrin, deltamethrin effects on 8526.

Nematoda, plants, association viruses disease transmission 1121. Ferbam, quintozene, disease control, Fusarium oxysporum, bulbs, Lilium 1427. Ferensimycin, biosynthesis, Streptomyces, characterization 2567. Fermentation, Acetobacter aceti subsp.aceti, morphol Feeding regimes, cattle, Gossypium hirsutum seeds ammoniation effects on cow's milk aflatoxin M1 acetic acid, Acetobacter aceti subsp.aceti, morphology, oxygen deficiency effects 2945 on 8197 cattle, sewage sludge, microorganisms, food contamination, meat 4803. aeration, air filtration, sterility 7119. air flow, filtration 9003. Feeding trials, animals, carbohydrates digestibility, fungi, yeasts 3853.
Candida utilis single-cell protein, immune response, gastrointestinal tract, pigs alcoholic beverages, biochemical characteristics, Saccharomyces cerevisiae, Candida valida 243. 2929. cattle, juveniles, pasteurized milk, Staphylococcus aureus 4869. cattle, single-cell protein fatty acids, association cow's milk 250. Halobacterum halobium lipids, use food additives, mice 245. Penicillium commune, single-cell protein, rats, rabbits 4858. Saccharomyces fragilis, single-cell protein, nutritive value, chickens 7608. single-cell protein Arthrobacter simplex, effects on, hematology, organs Candida valida 243.
alcohols production, yeasts 7517.
alcohols, use, grain, association, noncooking methodology 1045.
anaerobic bacteria, chemical extraction, organic compounds, toxicity 8778.
anaerobic bacteria foces, anaerobic bacteria, hydrocarbons production 5138.
analysis, computer applications 9239.
animal wastes, microorganisms, methane gas production, antibiotics effects on histology, rats 8491 1039 antibiotic 6643-X 1666. antibiotic 6643-X 1666.
Aspergillus niger, citric acid biosynthesis, molasses solution 5475.
Aspergillus niger, Carcharomyces oviformis, purification Bela vulgaris dyes 7470
bacteria, amino acids production, genetic engineemig 9117.
bacteria, crop residues, single-cell protein production 9110.
bacteria, effects on proteins, milk products production 4805.
bacteria, effects on proteins, milk products production 4805.
bacteria, avine production 2053.
bacteria, 23-butanediol somers production 7505.
bagasse, Aspergillus terreus, biosynthesis, cellulase, single-cell protein 1826.
batch culture optimization 9830.
beer, dimethyl suffice role 8405.
beer, dimethyl suffice role 8405.
beer, dimethyl suffice role 8405. Feeds. additives, antibacterial agents, residues analysis, livestock 252.
aflatoxin B1 detection, gel chromatography 2067.
animals, fungi, mycotoxins, food contamination, fungicides use control 3865.
animals, Trichoderma reesei protein biosynthesis, use, sugar beets industrial wastes 8493. wastes 6493.

animals, yeasts production, nitrate-reducing bacteria contamination 1085.

Beta vulgaris roots, fungi patulin incidence 1089.

biomass conversion 7603. biomass conversion 7603. by-products recovery, ethanol fermentation wastes, waste treatment 9803. chickens, y radiation effects on, disinfection, storage 8492. contamination, aflatoxin B1, aflatoxicosis, pigs 3866. contamination, bacteria, domestic animals 248. contamination, bacteria, fungi, affection productions, animals, mycotoxicosis, conferences \$455. beer, dimethyl sulfide role 8405.
beer, genetic engineering, yeasts 2859,
beer, yeasts, immobilized cells 3745,
beer, yeasts, measurements 6636,
beer, yeasts, measurements 6636,
beer, yeasts, measurements 6636,
beer, yeasts, measurements 6636,
beer, yeasts, tentenol production 7508,
beets, yeasts, ethanol production 7508,
bets, yeasts, ethanol production 7508,
bets vulgaris, silage, lactic acid bacteria, inoculum, effects on 3854,
biotechnology, books 8179,
Blakeslea trispora, β-carotene, β-D-glucosidase, biosynthesis, cellobiose
media (cultiure) 104,
broths, ethanol separation 9238,
butanol, Clostridium acetobutyflicum, Silicalite, adsorption 4739,
butyric acid bacteria, mathematical models 9065.
Candida wickerhamii, glucose, ecillobiose 7533,
cassava, detoxification, linamarase, Aspergillus sydowi, Penicillium steckii
4778. contamination, bacteria, fungi, mycotoxuns, animats, mycotoxicosis, conference 5455.
contamination, chickens, association Aspegillus flavus cyclopiazonic acid biosynthesis 8512.
contamination, fungi, mycotoxins, cattle sterility 4890.
contamination, mycotoxins, toxins, quality control 4862.
contamination, mycotoxins, fungi 3886.
contamination, mycotoxins, light-performance liquid chromatography 4893.
contamination, mycotoxins, pigs, mycotoxicosis 4895.
com, aflatoxins contamination, rats 4844.
crop residues, sheep, digestibility 4870.
diaminopimelic acid content, effects on rumen microorganisms bacteria, role, markers, production 6860.
fishery products, Salmonella typhimurium survival 3855.
Fusanium contamination, assays 4863.
hyglene, association mycotoxins contamination 4889.
lactic acid bacteria, effects on intestinal microflora, domestic animals 3850.
microorganisms distribution, radiation disirrection 7605.
mycotoxins, contamination, mycotoxicosis, domestic animals 9292.
Pacicliomycotoxins, contamination, mycotoxicosis, domestic animals 9292.
pgs, furtive value, breweries activated sludge 5631.
pigs, Streptococcus faecium effects on intestinal microflora 4859.
preservation, isobutyric acid 5625
preservation, propionic acid, aritifungal activity, fungi, growth, monitoring 1086. 4/78.

catalysts, technology, immobilized enzymes, immobilized cells 7337.
catalyest, technology, immobilized cells 7337.
catalysts, technology, immobilized cells on 246.
cellobiose, ethanol biosynthesis, Deklara intermedia β-D-glucosidase purification, characterization 5513.
cellobiose, yeasts 4744.
cellobiose, yeasts, ethanol production 9226.
cellodextrins, Candida, ethanol 2872.
cellulase, enhancement, Clostridium thermocellum+Clostridium thermosacchardyti cellulase, enhancement, Clostridium thermocellum+Clostridium thermosacchardyti mixed culture 9235.
cellulase, Pestalatiopsis versicolor 9155.
cellulase, Clostridium, mixed culture 4747.
cellulase, Clostridium, mixed culture 4747.
cellulase, single-cell protein production. Aspergillus terreus 8205.
champagne, morphology, Saccharomyces virii, Saccharomyces oviromis 1990.
champagne, yeasts, organoleptic properties, fermenters 7520.
cheese, heat treatments, thiocyanate+hydrogen peroxide+lactoperoxidase effects
4809. 1086.
preservation, 8-quinolinol treatment, fungi biodegradation 5630.
production, lignocelluloses, cellulolytic microorganisms biodegradation 9252.
Salmonella inoculation 253.
Salmonella isotates, serotyping 5627.
Salmonella isotation 3461'
silage, factors affecting nutritive value 2927.
single-cell protein nutritive value, production 9115.
syrups production, germanic acid effects on glucose fructose equilibrium,
Arthrobacter xylose isomerase immobilized enzyme use 4864.
Torula additives, chickens 6682.
yeasts, protein composition, association, temperature 1087.
eldspar, cheese, heat treatments, thiocyanate + hydrogen peroxide + lactoperoxidase effect 4809.

othic acid, formation, gluconic acid, Aspergillus niger 1849.

othic acid, formation, gluconic acid, Aspergillus niger 5469.

Citrus extracts, pyruvic acid biosynthesis, Debaryomycos coudertii 1822.

Clavicesp sapali strains selection, alkaloids biosynthesis 6629.

Clostridium beljerinckii immobilized cells, isopropanol+butanol+ethanol 9241.

Clostridium beljerinckii immobilized cells, 2-propanol, butanol, ethanol 4737.

ooffer, fungi 4432.

computer applications, monitoring 5362.

conferences, monitoring, computer applications 5456.

control, computer applications 1987.

control, computer applications 4467.

control, othry, yeasts, lactic acid bacteria 8412.

corn-entainal wastes siochemical characteristics, microorganisms 4868.

corn, ethanol biosynthesis, batch culture, bacteria 134.

corn meals, bacteria effects on nutritive value 251.

crop residues, gasse environments, Aspergillus oryzae, Trichoderma reesei, Streptomycas, reviews 4723.

Streptomycas, reviews 4723.

Streptomycas, reviews 4723.

Streptomycas, reviews 4723.

Gridine 57-diphosphate choline, ATP, regeneration, Hansenula jadinii 1960.

dairy products. bacteria, fermentation, ethanol, volatiles acids 4853.

enzymes production 4678.

Regioneratives asserbeties. Streptomycas, 8871. zearaienone contamination, assays 5644.
Feldsper,
potassium, nutrient sources, Azotobacter 7823.
Feline leukemla virus,
enzyme-linked immunosorbent assay, monoclonal antibodies 9850.
Feline panleukopenla virus,
combined vaccines, antibody response, dogs 3449.
Fragariai vesca red core disease control, agricultural practices association 1415. Fraganit vost-Fenaperil, resistance, Bipolaris oryzae 9633. treatment, brown spot, Drechslera oryzae, Drechslera sorokiniana, Zizania aquatica 2272. disease control, Venturia pirina, scab, Pyrus communis 1395. disease control, Venturia pirina, scab, Pyrus communis 1395. foliar applications, Begonia, powdery mildew, antifungal activity 1393. powdery mildew control. Rosa 5044. resistance, fungi, association dodine cross-resistance 7022. edupment, temperature, gases, assays 9825. equipment, temperature, gases, assays 9825. equipment, tetracycline biosynthesis parameters, Streptomyces 8871. ethanol, 9 glucanase effects on, Bacillus 1993. ethanol, association, Saccharomyces cerevisiae immobilized cells, glycerol Fersibutrio, structure, Aspergillus wentii 1975.
Fentoutriore,
antibacterial activity, nitrogen-fixing bacteria, Eichlomia crassipes isolates etilation, descolation, cauchartonyces determine filminomized cens, gryberol blosynthesis 127. ethanol, association, sweet potatoes, use, Endomycopsis fibuligera exo-1, 4-e-D-glucosidase 9230. exo-1, 4-e-D-glucosidase 9230.

8396

ethanol, carbon dioxide effects on yeasts 141. ethanol, cellulase decomposition, yeasts, fungi 3753. ethanol, corn, Saccharomyces cerevisiae 3811.

8770 Fenpropanate,

disease control, Rhizoctonia solani, Glycine max 8625.

Fenpropimorph,
disease control, post-harvest decay, Penicillium italicum, oranges 4908.

mentation, (continued)
thanol, com, temperature, effects on, Aspergillus oryzae 8395.
thanol, evaporation, yield 8399.
thanol, factors affecting, Saccharomyces 1048.
thanol, growth conditions, continuous culture 8404.
thanol, growth conditions, continuous culture 8404.
thanol, immobilized cells, reactors, mathematical models 3751.
sthanol, immobilized cells, reactors, mathematical models 3751.
sthanol, Pachysolen tannophilus, galactose association 146.
sthanol, Paccharomyces, cerevisuae, products inhibition effects on 9237.
ethanol, Saccharomyces cerevisuae, maintenance energy, biomass concentration, calommetry, 7528. Fermentation, (continued) streptomycin, phosphate, release, Streptomyces griseus 8003. sucrose, Clostridium 2057 sucrose. Clostridum 2057
sucrose. Zygen. uptake. carbon dioxide evolution, Candida intermedia 128, sucrose. Zymomonas mobilis immobilized cells, levan production association 9192. sugar, lactic acid bacteria, starter cultures, soybean milk 6574. sugar, Saccharomyces cerevisae petite mutant ability 9247. sugars, ethanol production, biomass conversion, conferences 10010. sugars, ethanol production, Torulopsis holmii 3747. sugars, ethasol production, Torulopsis holmii 3747. sugars, vesats, biosynthesis, ethanol, glycerol 7525. sulfur dioxide effects on, yeasts 1036. technology, antibiotics production 5237. technology, ethanol 7536. Theobroma cacao beans, thermophilic fungi post-harvest decay 8601. Theobroma cacao, methodology, effects on, temperature, acidity, food quality 3842. ethanoi, microorganisms 2861:
ethanoi, Saccharomycos, cerevisiae, py-products inhibition effects on 9237.
ethanoi, Saccharomycos, cerevisiae, py-products inhibition effects on 9237.
ethanoi, Saccharomycos cerevisiae, wood, acds, hydrolysates 4734.
ethanoi, vests computer applications 9228.
ethanoi, vests computer applications 9248.
ethanoi, vests computer applications 9428.
ethanoi, vests of the structure of the structu calonmetry 7528. ethanol, Saccharomyces cerevisiae, Saccharum officinale crop residues, fermenters turimycin, regulation, hydrolase, phosphate, release 8038. turimycin, regulation, 3':5-cyclic-nucleotide phosphodiesterase, phosphatase turninycin, regulation, 3':5-cyclic-nucleotide phosphodiesterase, phosphatase 8037.

UMP+hexose, Torulopsis candida, UDPglucose production, UDPgalactose production, radioactive labelling 6575

whey, Aspergillus niger, citric acid production 8196, with production, pooks 905

wine, Leuconostoc eenos, pH+sulfur dioxide, effects on 3761, wine production, books 905

wine, residues, Saccharomyces storage, biomass chemical composition 7512, wine, residues, Saccharomyces cerevisiae, foaming assays 3752

wine, Saccharomyces cerevisiae, foaming assays 3752

wine, Saccharomyces cerevisiae, foaming assays 3752

wine, Saccharomyces overevisiae, foaming assays 3752

wine, Saccharomyces overevisiae, foaming assays 3752

wine, Saccharomyces overevisiae, foaming assays 3752

wine, Saccharomyces overevisiae interaction Leuconostico cenos 4742, wine, Saccharomyces overevisiae interaction Leuconostico denos 4742, wine, saccharomyces overevisiae interaction Leuconostico denos 4743, wine, use, cell culture, Leuconostico cenos 4741, wine, use, cellostico, and the centre of /518.
y/lose, ethanol biosynthesis, Pachysolen tannophilus 135.
y/lose, gliucose, Pachysolen tannophilus, nitrate, effects on 7534.
yeasts, ethanol production, analysis methodology 7524.
yeasts, ethanol production, models, reviews 7522.
yeasts, ethanol production, parameters 7523.
yeasts, flavor, beer 2862.
yeasts, flavor, beer 2862. yeasis, laevir, beer 2002. yeasis, genetic engineening 3744. yeasis, phase variations, analysis, spectrometry 5433. yeasis, wine 4733. Zymomonas mobilis ethanol biosynthesis, fermentation, proteins+phospholipids Zymononas mobilis ethanol biosynthesis, fermentation, proteins+phospholipids complex use 144.

Fermented food, books 907
Fusanium proteins 5611.

Fermented milk products, spoilage, spychrotrophic bacteria, preservation, hydrogen peroxide+thiocyanic acid 6885. spoilage, psychrotrophic bacteria, preservation, hydrogen peroxide+thiocyanic acid 6865.

Fermentera, acetone, butanol, butanol, Clostndium acetobutyricum 119. aeraton, Streptomyces aureofaciens, tetracycline biosynthesis 8870. agitation. Aspergillus niger, pelleting, morphology 6637. batch culture, factors affecting, growth, Vibno cholerae 2706. +calonmetry, measuring techniques, microorganisms heat balance, in vitro 7215. Candida oleophita biomass production, alkanes nutrient sources 7535. Candida utilis growth, ethanol biosynthesis 138. cellulohitic bacteria, cellulose conversion, methane production 8441. cephaiosponin C production, Cephaiosporium acremonium 7994. computers, data processing 9004. continuous culture, Zymomonas mobilis, use, ethanol production 9245. design, agitation 9002. design, conferences 9100. Lactobacillus delibreuckii, lactic acid production 11. liquid culture, production, Aspergilius niger spores 1809. mass transfer, relationship oxygen consumption 6288. axygen adsorption coefficients, errorgy onsumption 6406. Penicillium funcuiosum, cellulase production 3677. Prototrophic bacteria, culture abolicim 6318. Seatharomytos aversiae, ethanol fermentation, Saccharum officinale crop residues 2873. sampling equipment, fungi, mycelia 9080. acedimentation, biomass production, reviews 8083. ampling equipment, fungi, mycelia 9080. sadimentation, biomass production, reviews 8083. Streptococcus agalactiae growth, CAMP profein production 6398. Suffolobus acidocaldarius, sulfur removal, coal 3254. Surriodous acroocararus, surri removal, coal 3/254. Trichoderma aureovinde, 9-D-glucosidase secretion 5511. whey, fungal flora 3844. yeasts, aeration 7519. yeasts batch culture, oxygen application 5442. yeasts, biomass production, pH effects on 4539. yeasts, champagne fermentation, organoleptic properties 7520. carbon dioxide monitoring, computer applications 5361. Ferredoxin, amino acid sequence, Desulfovibrio desulfuncans 4552, multiple forms, isolation, physicochemical properties, Rhodopseudomonas capsulata purrication, characterization, Methanosarcina barkeri 2741 purification, characterization, Rhodopseudomonas capsulata 1833. purification, characterization, Thermoplasma acidophilium, Sulfolobus acidocaldarius, Desulfurococcus mobilis 922. purification, physicochemical properties, Mycobacterium smegmatis 3654. Ferric chloride, r treatment, effects on activated sludge 4441. Wastewater and another the format of the for

Filamentous bacteria, development, relationship, activated sludge feeding patterns, association, wastewater treatment 3476. Ferrous sulfate, sodium pyruvate, media (culture), effects on, Campylobacter fetus subsp.jejuni, morphology, motility, viability 9974. Filamentous microorganisms, bioreactors, activated sludge treatment, chemicals wastes 9804, ncidence, activated sludge 8974, penicillin fermentation models, computer applications 9756. Fertility,
Hordeum spontaneum, association disease resistance, fungi pathogens 6759 Hordeum spontaneum, association disease resistance, fungi pathogens 6759. Fertilization. Acer pseudoplatanus seedlings growth, effects on 531. Agricultural land, nutrient availability, phosphate, humus complex, actinomycetes, fungi 9625. association, catalase activity, soil, USA, anaerobic bacteria 2382. effects on Tuber melanosporum fruit bodies production Quercus tanuginosa 6899. forests, effects on fruit bodies production, Basidiomycetes 6907. mycorrhizas, nitrogen cycle, Panicum coloratum 1484. nitrogen, effects on mycorrhizas, Pinus sylvestins 3163. +vesicular-arbuscular mycorrhizas effects on Juniperus chinensis var.sargentii 4134. Fertilizer applications. illms, activated sludge, ultrasound separation, bacteria, counting methods 8933. bacteria, fouling organisms, cooling water, industrial water systems 6257. cellulose, Saccharomyces cerevisiae, immobilized cells, ethanol, production 663 digestion (nanerobic), wastewater treatment, methanogenesis 895-effects on, filters, pressure, wastewater treatment 4443. food, Escherichia coli, Salmonella typhimurium, viability, surfaces, refrigeration 2025. formation, factors affecting 1707. formation, prowth conditions, effects on, Pseudomonas putida, methodology 266 formation, Inde, filtration, Oryza sativa, wastewater treatment 4444. ntrification, mathematical models, reactors 8057. oxygen barriers, beef vacuum packaging, bacteria food contamination 261. permeability, vacuum packaging, bacteria food contamination 261. permeability, vacuum packaging, beef spoilage, Lactobacillus 5635. sewage treatment, microorganisms distribution, models 8948. sewage treatment, microorganisms distribution, models 8948. steel surfaces corrosion, aquatic microorganisms, fouling organisms, sea water 1055. Fartilizer applications, ammonium, effects on Triticum aestivum take-all 1331. effects on introgen fixation, yield, Arachis hypogaea 6994. forests, population density, ectomycorrhizas, Fagus sylvatica 8649. grasslands, soil properties, dentrifrication, dentrifying bactena 8687. Laccana laccata inoculation seedlings, Pinus ponderosa, Pseudotsuga menziesii 5852. leaf litter decomposition, forest floor, Tsuga heterophylla 6897. nitrogen, crops. uptake, competition, soil microorganisms 599. nitrous oxide production, dentirification, soil properties, grasslands 6995. phosphorus, effects on nitrogen fixation. Leguminosae 517. phosphorus, effects on nodulation, nitrogen fixation, Inga jinicuil 7843. urea, nitrogen sources, soil microorganisms, nitrification 5968. Zea mays staik rot, effects on 1197. 1055. tubular fow systems, fouling organisms, quantitation 5316. waste water, formation, structure, electron microscopy 7193. wastewater treatment membrane filtration fouling organisms, bacteria, characterization 3465. Filobasidiella neoformans, perfect state, Cryptococcus neoformans, media (culture) 4538. Filter paper, methodology, hemagglutination inhibition, measles virus 9859, methodology, hepatitis B virus infection markers detection 3524. agnicitural practices, effects on incidence, Gaeumannomyces graminis var.tritici, take-all, Triticum aestivum 9361.
content, nitrogen, phosphorus, potassium, effects on Phytophthora nicotianae var.parastica buckeye rot, Lycopersicon esculentum 9445.
denatrifying bacteria, dentirification 3246.
effects on, cellulose biodegradation, cellulolytic microorganisms, crop fields 5982. Filters, activated carbon, bacteria growth, organic compounds decomposition, wastewate treatment 8956.
anaerobic microorganisms, wastewater treatment, coal gases 8952.
fluorescence, bacteria, measuring techniques, milk 6673.
gertamicin binding, membrane filtration, enzymes inactivation 5258.
policivrus adsorption, saits effects on 3469.
sand, effects on septic tanks dentifification 786. 5982 effects on, soil microorganisms, decomposition, organic matter 5979. induction, pathogenicity, Glomus, association, liquidambar styraciflua 6971. nitrogen, effects on Leguminosae nitrogen fixation 5105. nitrogen, effects on, mung bear mild mosaic virus pathogenicity 8534. nitrogen, effects on Trifolium repens nitrogen fixation, yield 2364. nitrogen, effects on Trifolium repens nitrogen fixation, yield 2364. nitrogen, compounds, salmonella contamination 1732. phosphate, uptake, growth, Loilum rigidum, Trifolium subterraneum 9547. phosphorus, effects on nutrient uptake, role, vesicular-arbuscular mycorrhizas, Medicago sativa + Rhizotolium melliot nodulation 6943. role, Salmonella food contamination 7571. surface charge, viruses recovery, drinking water, sewage 8096 wastewater treatment, films, effects on, pressure 4443. Filtration, air flow, fermentation 9003. air now, Termentation 3003.
air flow, termiciation, fermentation 8348.
air, sterility, aeration, fermentation 7119.
beer, yeasts counting methods, fluorescence 2869.
+centrifugation, blood isolation methodology, anaerobic bacteria, bacteremia role, Salmonella food contamination 7571.
Salmonella incidence, association, animals feces 2637.
slumes, +Rhizobium, inoculation, seedlings, coal mines 8691.
soil amendment, soil microorganisms, enzymatic activity, redox potential, paddy fields, Oryza sativa 9622.
stimulation incidence, Ustitiago maydis, smut, Zea mays 9324.
sulfur, effects on, Rhizobium nodulation, leguminosae roots ethylene biosynthesis 1503. Finger, man, contamination, Salmonella carners 2703. 1503. use Azolobacter, nitrogen fixation 607.
Fertilizera (slow release), soils (loam), Triticum, effects on, nitrification, uptake, yield 621.
Festuca arundinacea, accumulation, Epichioe typhina, N-acetyl-loline, N-formyl-loline 7499. disease reservoirs, barley yellow dwarf virus, disease transmission, role, Schizaphis graminum, Rhopalosphum padi, USA, Missouri 1164. pathogenicity, Rhizoctonia zeae 5701. plant foreding, disease resistance, crown rust, Puccinia coronata 448. seeds, infection, Acremonium coenophialum, detection methodology 9077. Festuca rubra, soil fertility, relationship Laetisaria fuciformis infection 9357. Fetal calf serum, cell culture association, Chlamydia trachomatis isolation methodology 9961. Fibers, Finand,
oral hygiene association, dental caries, mental retardation, children 8079.
soil, nitrogen cycle, N-(phosphonomethyl)-glycine effects on 5972.
urinary tract clinical isolates, drug resistance, trimethoprim, transfer 9654.
Firebilght,
Erwinia amylcovra, bactericides, disease control, Pyrus 1207.
Erwinia amylcovra, buds, Malus pumila 1225.
Erwinia amylcovra, disease control, fungicides, screening, seedlings, Malus pumila 1406. Erwinia amylovora isolation, Rosaceae, characterization 419. Fires, effects on nitrogen fixation, Leguminosae 517. Fish products, preservation, Wellemia sebi biodegradation 2045. Fisheries, waste treatment, bioreactors 8930. viruses DNA separation techniques 1739. waste treatment, bioreactors 83:30.
Fishery products,
bacteria contamination, Kerya 3837.
bacteria food contamination, U.V. radiation treatment 4849.
feeds, Salmonella typhimurium survival 3855.
food contamination, proteolytic bacteria, counting methods 3808.
storage conditions, carbon dioxide, nitrogen, temperature, effects on,
Pseudomonas, Morazella, Lactobacillus 8498.
Xiphias gladius, packaging, contamination, Lactobacillus, Pseudomonas, chemis
4808.
Fiatulina hepatica. polymerization, bacteria trapping 2698.
Fibrinogen,
hemagglutination, use, Staphylococcus aureus identification 844.
Fibrinolysis, Streptomyces rimosus, proteolytic enzymes 1947. Fibroblasts, Fibroblasts, herpes simplex virus infected, thymidine effects on 9-(2-hydroxyethoxymethyl)quanine antiviral activity 7942. mice, resistance, Amanita phalloides, Phallotoxins 5502. Moloney sarcoma virus transformed cells, growth, interferon inhibition 3369. prostaglandins, inhibition, vaccinia virus, replication, cell culture 2485. Fibroporte angulopora sp.nov, brown rof, Pseudotsuga menziesii 8650. 4808.
Fistulina hepatica,
Quercus decay, economic importance, Czechoslovakia 4163.
Fittonia verschaffeitli,
leafspot, Myrothecium roridum 5747.
Fixation,
materials methodology, Saccharomyces cerevisiae immobilized cells 4513,
methodology, microorganisms, mucus 3514.
Fixatilin. Ficin, Psedomonas cocovenenans bongkrekic acid inhibition 2079. Ficus carica, fruit rot, disease control, fungicides 1396. Ficus erecta, leafspot, Pseudomonas ficuserectae sp.nov. 7715. learsport, Escudorinaria indesandate de la Filed triala;
Bacillus thuringiensis, biological control, Culicidae 1030.
Bacillus thuringiensis, biological control, Simulium soubrense-sanctipauli 1026.
Fusarium solani root rot, Cyamopsis tetragonolba 5676.
Phytophthora infestans, disease spread, Solanum tuberosum, mathematical models

5050.
Triticum, brown rust, stripe rust, germpiasm screening, disease resistance development, India 5726.
Verticillum albo-atrum, virulence, Medicago sativa, Europe, comparison, North America 8558. Rubus idaeus, raspberry bushy dwarf virus infection 9441.

is oxidation decarboxyvation tactic acid 6502.

Flevfola,
biosynthesis, Phoma wasabiae 1823.
Flevobacter,
symbiosis, algae, photosynthesis, starch biosynthesis 3708.
Flavobacterfum,
epoxides production 2840.
R factors, animal isolates, Pisces 3275,
pathogenicity effects on, Beta vulgaris crop production 403.

Mycobacterium smegmatis, derivatives reconstitution lactate 2-monooxygenase, oxidation decarboxylation lactic acid 6502.

avobacterium, (continued)
production, deacetoxycephalosponn C, isolation 1609.
avobacterium dehydrogenans,
pregnenolone triacetate conversion 17a. 21-dihydroxy-pregn-4-en-3.20-dione,
pregnenolone triacetate conversion hydrocortisone-17a-acetate 5529.
avobacterium denritator,
endo-1,3(4)-B-D-glucanase hisbdine residues, chemical modification,
photooxidation effects on activity 6477.
lavobacterium heparinum,
nutrient sources, regulation, production, heparin lyase 969.
lavobacterium keratolyticue,
endo-B-D-galactosidase, purification, characterization 6451
lavobacterium uliginoaum,
marinactan biosynthesis, isolation, characterization, antitumor activity 7452.
lavocytochrome b2,
biosynthesis, Hansenula anomala, oxygen effects on 5473.
lavodoxin,
ribotlavin 5'-phosphate mobility, N.M.R., Megasphaera elsdenii 7302.
lavonoids,
antifungal activity, Botrytis cineras, Cladosporium herbarum 2283.
lavoroptelin-linked monooxygenase,
Bacillius megaterium, inducton 8322.
Pyricularia oryzae, biodegradation IBP 5590
lavor,
champagne, yeasts additives 5572.
milk. Lactoracillius activity thorning aldolase, alcohol dehydrogenane effect

Champagne, yeasts additives 5572.
milk, Lactobacillus, activity, threonine aldolase, alcohol dehydrogenase, effects on 7587.

single-cell protein, Basidiomycetes 9113, wine, yeasts alcoholic fermentation, Banksia integrifolia berries oils composition effects on 6639.

lavor composition eneces on voca-lavor compounds, Allium, induction, sclerotia formation, Sclerotium ceptvorum 4001, production, encapsulation, Streptococcus lactis var.mattigenes 9217.

production, encapsulation, surpriscation methodology 4509.

locculants, bacteria, water treatment 9800.

chemicals, effects on digestion (anaerobic), cheese whey 9809.

size reduction, wastewater treatment 9806.

locculation,

locculation, activated sludge, relationship ATP levels 9799 drinking water, rotavirus (simian) concentration 3538. Streptomyces griseofuscus, immobilization, y radiation effects on 7250. Thiopedia rosea, lagoons, anaerobic conditions, sewage effluents 8064. yeasts, cell aggregation, assays 7263. looded soils, berbicides, MCPB 5971. biodegradation, herbicides, MCPB 5971. biodegradation, herbicides, molinate, soil types, pathway 5886. paddy fields, sulfate-reducing bacteria, sulfur, nutrient cycles 6958. soil microorganisms, biodegradation, carbaryl, pesticide residues, nutrient requirements 9620. soil microorganisms, dentrification, respiration, redox potential 6957.

soil microorganisms, denitrification, respiration, redox potential 6957.

Soli microorganisms, community, oil deposits 627.

oil deposits, relationship, hydrogen bacteria activity, population dynamics 2387.

soil, iron reduction, metabolism, bacteria 6959.

soil microorganisms decomposition, nutrient dynamics, Acer rubrum leaf litter
4104.

om microorganisms decomposition, nutrient dynamics, Acer rubrum le 4 1944. Octoblains, forests, nutrient dynamics, litter fall decomposition, USA, Illinois 6890. locas,

education institutions, keratinophilic fungi isolation 8983.

iora, milk, Escherichia coli, Pseudomonas fluorescens, β-casein biodegradation our, food contamination, aflatoxin B1, aflatoxin B2, citrinin 277, food contamination, aflatoxin B1, citrinin 276, wheat+microorganisms production lysine, nutritive value, rats 5632.

ow cytometry, methodology, clinical microbiology, Escherichia coli, DNA 6339.

memodology, canical microbiology, escrencina coil, DNA 0539.

Owers,
Asparagus, Fusarium moniliforme air spora contamination 9414.

uchloralin,
effects on Rhizoctonia solani, damping-off, Vigna unguiculata 9482.

ucclouscellin,
+cephalexin, antibacterial activity, infection treatment, man 6132.

ucytosin, antibiotic sensitivity testing, yeasts 2502.

ucytosine, antifungal activity, Dematiaceae 7929

uida, rumen, cattle, bacteria proteins determination methodology 5408. umequin, antibacterial activity comparison, pefloxacin, nalidixic acid, pipemidic acid

8761

8761. umaquine, antibacterial activity, Neisseria gonorrhoeae 2425. uoracetic ecid, effects on Aureobasidium pullulans pullulan biosynthesis 6571.

substituted, amino acids derivatives, murine leukemia virus 8799. uorescein, conjugation, monocional antibodies, Chlamydia trachomatis detection, McCoy cells 9923.

9923.

ubrescence,
camylase, dextranase, poly(anions) inhibition, Bacillus subtilis 79.
1-antilino-8-naphthalenesulfonic acid interaction UDPglucose 4-epimerase,
Saccharomyces fragilis 5494.
assays, 6-aminopenicillanic acid 3406.
association, Alium cepa inflection, Bottytis allii, Colletotrichum circinans,
factors affecting 8544.
counting methods, yeasts, beer 2869.
cytochrome c folding kinetics, structure intermediates, Saccharomyces cerevisiae
4559.

detection, Septoria nodorum, seed-borne diseases, Triticum aestivum 1190

Fluorescence, (continued)

diagnosis, coccidioidomycosis, candidiasis, aspergillosis, histoplasmosis, tissues 4525

diagnosis, mycoplasma-like organisms, stunt, Apium 2166, filters, bacteria, measuring techniques: milk 6673, folding kinetics, cytochrome c iodoacetamide chemical modification,

structure-activity +high-performance liquid chromatography, coenzyme F420 assays, methanogenic

bacteria, sewage sludge 9021.

Identification, Corynebacterium diphtheriae clinical isolates 6312.

Immunoassays, dibekacin 9785.

immunoassays, dibekacin 9785.
Immunoassays, dibekacin 9785.
Immunoassays, vancomycin 9784.
Immunoassays, vancomycin 9784.
Iaccase, Polyporus versicolor 7366 serimunoassays, vancomycin 9784.
Iaccase, Polyporus versicolor 7366 serimunoassays, vancomycin 9784.
Iaccase, Polyporus versicolor 7366 serimunoassays, vancomycin yenerolor yenero

tetrahydrofolate dehydrogenase interaction methotrexate analogs, Lactobacillus casei 2801.

tryptophan synthase quaternary structure, Escherichia coli 1871. Fluorescence polarization,

Fluorescence polarization, streptomycin, immunoassays 6156.
Fluorescent antibody test, detection, antipens, rinderpest virus, methodology, diagnosis, cattle 830, detection, antipens, rinderpest virus, methodology, diagnosis, cattle 830, detection methodology, herpes simplex virus infection issue culture 9839, diagnosis, syphilis, congenital infection, man 863, identification, bacteria clinical isolates, clinical microbiology 834, immunodiagnosis, syphilis 9918, leprosy subclinical infection detection, man 847.
Rhizobium tirfolii, colonization roots, Trifolium alpinum 6991, use, detection, Ceratocystis ulmi phytotoxins, Ulmus 4167.
Vibrio cholerae, identification 842.
Fluorescent probes,

Vibrio cholerae, identification 842.

Fluorescent probes,
detection Mycoplasma contamination, viruses culture collections 6293.
methodology, pH topography, Endomyces magnusii 8169.
olivomycin binding DNA 8013.
RNA (abelling, use phage T4 polyribonuclectide synthetase (ATP) 9833.

Fluoridation.

prophylaxis, dental caries, children 6283. Fluoride,

Iluorida,

derivatives, sporaricin A, synthesis 8976. organic compounds, oxygen supply, microorganisms immobilized cells 6286. 1-(2-Fluoro-2'-deoxy-β-D-arabinofuranosyl)thymine, antiviral activity, herpes simplex virus 1, herpes simplex virus 2, Vero cells

7096. 2-Fluorocitric acid,

enantiomers, citrate (pro-3S)-lyase inactivation, bacteria 7708. 5-Fluorocytosine,

5-Fiuorocytosine, antifungal activity, mechanisms, Candida albicans 4298. antifungal activity, mechanisms, Candida albicans 4298. antifungal agents, interaction, artifungal activity 1567. drug sensitivity testing, media methodology, Candida, Torulopsis 897. tungi susceptibility, association alloputinol 8790. resistance, Candida albicans clinical isolates 1528. 7-Fiuoromethyi-1,8-naphthyridine, antibacterial activity 2427. Fiuoromethyi-1,8-qulnoline, antibacterial activity 2427. Fluorometry.

ambacterial activity 2427.

Fluorometry,
adenosinetriphosphatase, hydrodynamics, thermophilic bacteria 1879.
methodology, bacteria identification 9044.
1-intropyrene reductase assays, Salmonella typhimurium 5021.
Fluorometruron,
fluoromet

soil amendment, effects on soil microorganisms, fungi 2379.

reuorosis, dental caries, fluoride water treatment, children 8077.

5'-p-Fluorosulfonylbenzoyl adenosine, couping factor 1 chemical modification, mitochondria, Saccharomyces cerevisiae

5-Fluorouracit,

derivatives, artibacterial activity, Escherichia coli 9663.
drug resistance, role transport, Candida utilis 642.
Foaming,
assays. Saccharomyces cerevisiae fermentation, wine 3752.

Foams, protein composition, Saccharomyces cerevisiae, fermentation, wine 3754, suppressors, effects on Streptomyces rimosus morphogenesis 684, suppressors, effects on Streptomyces rimosus oxytetracycline, biosynthesis 1639.

Foliage, fungi pathogens, humidity chambers 4523.

Food contamination, (continued)
a bacteria, enumeration equipment 3575, bacteria, tood poisoning, man, disease control 3496, bacteria, fungi, conferences 5453, bacteria, fungi, counting methods, membrane filtration, fluorescence 176, bacteria, ham 3832 Beauvera bassiana conidia, Solanum tuberosum leaves, pathogenicity, Leptinotarsa decemineata, bioassays, biological control 7482 fungicides, Glycine max 7749. Foliar application, Follar applications, pathogens, Arthropoda 991 bological control, pathogens, control, pathogens, post 5834, fungicides, disease control, plant diseases 8636, fungicides, disease control, Tilletia controversa bunt, Triticum aestrivum 4111, nitrate, effects on, Glomus mosseae symbiosis. Zea mays 4204, pathogens, biological control, pest control, lineada 992, Follar diseases, biological control, pest control, lineada 992. Follar diseases, bight, Polyscas fruticosa 3090
Follar acida, seases, bidens, pathogens, pa Foliar applications, bacteria, ham 3832 bacteria, ham 3832 bacteria, hygiene, prevention, intoxication, man 194. bacteria, ice cream 238 bacteria, icentification, gas chromatography 296. bacteria, indicator species, conferences 5454, bacteria levels, freeze-thawing effects on, curing, ham 182. bacteria, meat 3833 bactena levels, freeze-thawing effects on, curing, ham 182. bactena, meat 3833 bactena, milk, conferences, 5458 bactena, pakik, conferences, 5458 bactena, pakik, conferences, 5458 bactena, pakik, conferences, 5458 bactena, politicologia, beef 224 bactena, politicologia, conferences, 232 bactena, spoilage, politicologia, conferences, 232 bactena, spoilage, politicologia, conferences, 2335, bactena, spoilage, politicologia, conferences, 235, bactena, spoilage, politicologia, conferences, 240 bactena, spoilage, politicologia, conferences, 240 bactena, spoilage, politicologia, conferences, 240 bactena, spoilage, politicologia, 241 bactena, spoilage, politicologia, 241 bactena, spoilage, politicologia, 241 bactena, spoilage, politicologia, 241 bactena, 242 bactena, spoilage, politicologia, 242 bactena, 24 Serum leves, man, Lacubacinus enaman use, occase, Folipet, use, leatspot disease control, Dioscorea dumetorum 5061. Formajorin D, Formes annosus, structure 6584 Fomajorin S. Fomes annosus, structure 6584 Fomannosine, biosynthesis, Fomes annosus 6717 Fomannoxin, production, Fornes annosus, toxicity, seedlings, Picea sitchensis 6914. Formecin A, synthesis, antibacterial activity, antifungal activity 2579. Formecin B, Fomecin B, synthesis, antibucterial activity, antifungal activity, 2579. Fomes annosus, control, use, Trichoderma harzianum lytic enzymes 4156. fomajorin S, formajorin D, structure 6564. fomainosine biosynthesis 6717 fomainosine production, toxicity, sedifings, Pricea srtchensis 6914 growth, ozone effects on 541. effects on 4786 chickens carcasses. Salmonella, detection methodology 1077. chickens eggs, Clostridium perfungers, Enterobacteriacese, Staphylococcus 187. Clostridium botulinum toxins 7637 clostridium botulinum toxins 7637 clostridium perfungers meat products. Chie 208 Clostridium perfungers Staphylococcus aureus, pork. cooling, kitchens 1066 cold storage unicroorganisms 242 control association microorganisms colonies, enumeration methodology 3585. com. assays: allatoxins, autone particulates 4886 com. wheat, storage. Aspergillus 443. Crassostrea gigas. association water pollution, phytoplankton, aquaculture 2924. dairy products cocca Enterobacteriaceae media isolation) 1791 dairy products. confectionery coildrims fecal coildrims 9276 dairy products. Eschenchia coil, coildroms, recovery 4817 dairy products. Beschenchia coil, coildroms, recovery 4817 dairy products. oot rot, mortality, Abies, forests 5075. Portorus, pesticide applications, pesticide residues, soil characteristics, effects on soil microorganisms 8705.

Fonsecae pedrosi, media (culture) 6344. media (culture) 6344.

Food,
bioassays, detection, mycotoxins, fungi 2939
Chromobacterium isolation, water, soil 2041
cold storage, preservation, association lactic acid bacteria 260
contamination, public health, man 5285
Enterobacteriacoae incidence, Mexico 7594
films, Eschenchia coli, Salmonella typhimurium, viability, surfaces,
refrigeration 2025.
growth, Salmonella typhimurium, Staphylococcus aureus, mathematical models, water
activity 8468 dairy products psychrotrophic bacteria, heat resistance, incidence identification 4814 rehigeration 2025.
growth, Saimonella typhimunum, Staphylococcus aureus, mathematical models activity 8468
infants, contamination 2031
infants, contamination, Bacillus cereus, Staphylococcus, toxigenicity 8464
isolates, Staphylococcus aureus, enterotoxins production 11f3.
isolates, Yersinae enterocolifica, pathogenicity 2048.
isolates, Sporolactobacilius methodology 7565
packaging, piastics, association, microorganisms contamination 1094
Plesisiomonas singleliodes isolation 3824
preservatives effects on, Staphylococcus aureus, survival 6683, preservatives, glycine 271
production, use, fungi, reviews 5443
Salmonella isolation incidence. British Isles 1075
space flight, relationhip, Hansenius polymorpha, carbohydrate composition, association, carbon dioxide recycling, nutnert requirements 8486.
taints, role, psychrotrophic microorganisms 2909
use satis like flavongs 4780
vacuum packaging, food contamination, conferences 5460, wastes, Lactobacillus actiophilius, Saccharromyces cerevisiae, fermentation, antiviral activity 7595, wastes, straw substrates, methane hydrogen fermentation 5995
water conferit, microbiology, methodology 4831
Food additives,
effects on Staphylococcus aureus growth 8469
food contamination, microorganisms 257.
Halobacterium halobium lipids, feeding trials, mice 245.
Food consumption,
man, oysters, gastroenteritis, Norwalk agent food porsoning 1072.
Food contamination, identification and solutions association. Bacillus cereus spores, germination, heat resistance association man 193. Escherichia coli, cheese production, factors affecting survival 4856. Escherichia coli, isolation methodology, effects on pathogenicity, assays 177. Escherichia coli, role, disease transmission, diarrhea, children, Bangladesh 4847. 4847.
fishery products, bacteria. U.V. radiation treatment 4849.
food vacuum packaging, conferences 5460
fruit juices, yeasts. Venezuela 7574
fruits products, molts, counting methods 4775
fruits, products, molts, counting methods 4775
fruits, the levels indicators 3819
fruits, fruit juices, surveys 225.
gram-negative bacteria, milk, Limulus lysate test use detection food quality 8484 8484
Gramineae, post-harvest decay, fungi 2236.
Gramineae, 4-deoxynivalenoi 6687
ce cream, quality, control, food industry 259
ice cream, Staphylococcus sureus, Salmonella, coliforms 6659,
ice cream, Staphylococcus, coliforms, psychrodrophic bacteria 7567,
indicator species, spraying, drying, milk 4875,
infectivity tests, Salmonella inoculation, feeds 253.
Lactobacillus caser folacin, chromatography 4781,
luncheon meat, Bacillus, micrococcus, Streptococcus, factors affecting spoilage
2029. Halobacterum halobium lipids, feeding trials, mice 245.

Food consumption,
man, oysters, gastroenteritis, Norwalk agent food poisoning 1072.

Food contamination,
affatoxin B1, affatoxin B2, ctrinin, flour 277.
affatoxin B1, flour 276.
affatoxin B1, flour 276.
affatoxin M, dairy products, cattle 2938.
affatoxins, comp.eanuts, high-pressure liquid chromatography detection 3883.
affatoxins, comp.eanuts, high-pressure liquid chromatography detection 3883.
affatoxins, plants, detection methodology 6688.
Alteromonas purfetaciens, Pseudomonas putrefaciens, beef, minced meat 3841
animals feeds, mycotoxins, fungi, fungicides use control 3865.
animals, Salmonedia solation, culture methodology 1088.
Aspergillus versicolor, radiosensitivity 8787
association, antibiotics, administration long-term effects 7586
association, Eschenichia coli infection, man, diagnosis 2054
association, Staphylococcus aureus detectrion, media (selective) methodology 5416.
Bacillus cersus, Clostindium perfringens, growth, beans 219.
bacteria, beef, pork, temperature effects on 241.
bacteria, beef vacuum percanging, oxygen barriers films 261
bacteria, carbon doxide detection, I.R. radiation use 4851.
bacteria, cooking, kitcheris 235.
bacteria, cooking, kitcheris 235.
bacteria, eooking, kitcheris 235. man, association, salmonellosis, sheep 3845, meat 196. meat and the control of the control treatment 4838
microorganisms standards 3849
milk production, microorganisms, Poland 4785
milk production, microorganisms, Poland 4785
milk products, standards, counting methods, methodology 3805
minced meat. Campylobacter fetus subsp. ejum, media (selective) 1071
mycotoxins, control programs, standards 6694,
mycotoxins, moidence, British Isles 3878,
oils, alfatoxin 81, assays 275,
pathogenicity Yersima enterocolitica 174
pecans, affatoxins, weather effects on, USA 6672

ood contamination, (continued)
potatoes processing sterilization packaging 4801
poutity. Campylopacter fetus subsp. eurn. incidence 3840
protection, bacteria, respectively subsp. eurn. incidence 3840
proteotytic bacteria, rishery products, counting methods 3808
proteotytic bacteria, rishery products, counting methods 3808
proteotytic bacteria, rishery products, counting methods 3808
proteotytic bacteria, methodology 5617.
Pseudomonas aeruginosa, milk, meat, pH effects on 4796,
psychrotrophic bacteria, milk, dairy products, reviews 226.
nes, food processing, canning 256
Salmonella, coxieki poutity 4807.
Salmonella, coxieki poutity 4807.
Salmonella, coxieki poutity 4807.
Salmonella, poutity 3830.
Salmonella, poutity 3830.
Salmonella, situativicoccus aureus, liquids egg production 203.
salmonellasis control programs man 230
santation, food industry, books 4549
sausages, coliforms, defection methodology 4819
sausages, Salmonella, solation, media (erinchment) 4786,
seafood bacteria, qualify control, resazunn test 3374,
seafood civiuses bacteria 8466
spoliage lauricular, preservatives meat products 270,
standards, sampling 212 Foot rot. pathogens, antifungal activity, peracetic acid. Gramineae 1394 Poot-and-mouth disease.

cattle milk samples enumeration 4767
vaccines, production, genetic engineering, reviews 8921

Foot-and-mouth disease virus. air, sampling methodology companson 6291
antisera production, vaccines, guinea-pigs 5284,
antivaral activity, ribonuclease, pancreas, Bacillus intermedius, Streptomyces
ninosus 6077. inmosus 6077. anthread activity, ribonuclease, Streptomyces rimosus 2492. foot-and-mouth disease, cattle, milk samples enumeration 4767. foot-and-mouth disease vaccines, production, genetic engineering 8921, strains, growth, guaridine, temperature effects on 2469, vaccines, DEAE adjuvants, immune response, pigs 2600. Fusarium solani, Gossypium hirsutum seedlings, new records, India 7695. Gramineae, pathogens antagonism, Pseudocercosporella herpotinchoides, Fusarium, Rhizoctonia cerealis 1148 Phoma medicaginis var.pinodella, disease resistance, Pisum sativum, screening Pseudocercosporella herpotrichoides, factors affecting, Triticum aestivum, disease resistance 4087 Pseudocercosporella herpotrichoides, treatment, benomyl, Triticum aestivum 2284. spoilage lauricidir. preservatives meat products 270 standards, sampling 212.
Staphylococcus aureus deoxyribonuclease defection, heat stability 9278.
Staphylococcus aureus deoxyribonuclease defection, heat stability 9278.
Staphylococcus aureus, seafood, food processing hygiene 3858.
Staphylococcus enterotoxins detection enzyme-inixed immunosorbent assay 1110.
Staphylococcus milic products, India incidence 2058.
Vibrio cholerae biotyping, growth 3835.
Vibrio cholerae casteurzation, coolung, dysters 2912.
Vibrio parahaemolyticus, dysters 2910.
Yersmai enterocolitica detection, enumeration, DNA hybridization methodology 9049.
godd Industry. Forage, Forage, quality, bactena growth, crop residues digestion, factors affecting 4860.
Forest floor.
Forest floor.
branches litter, size distribution, decomposition, fungi 8647.
Dictyostelida, species composition, ecological distribution 5849,
humus, thiosulphate sulphurtransfersae activity, soil microorganisms 7777,
interspecific relationships, soil flora, fungi, Orribatidae, reviews 5069.
leaf litter decomposition, Basidiomycetes 1444,
litter, biodegradation, Collybia maculata, Collybia bulyracea, Collybia distorta, Abies alba 1442. Abies alba 1442 and Abies alb 9049

God Industry,
cultivation Basidiomycetes 2047
fermentation China 3821.
fermentation China Forest products, fungi biodegradation, fungicides treatment 1400. USA mines, Basidiomycetes biodegradation 7792. Forestry. Forestry, fungl, disease control 537. soil properties, seedlings, growth, mycorrhizas formation 522. Forestry products, biodetenoration, fungl, bacteria, control, books, conferences 10004. oresta,
Abres alba, regeneration, association, soil microorganisms, mycorrhizas 534.
dentrification, clear cutting 6902
ecosystem dynamics, wood decay fungi 8646
ecosystems, soil, nitrogen-fixing bacteria, nitrogen fixation, reviews 9511.
ecosystems, soil, sulfate metabolism 5102.
Epenua falcata, leaves decomposition, soil microorganisms 1439.
Eucalyptus diversicolor, calcium oxaliate occurrence, nutritent dynamics, decomposition, microorganisms 4136.
Eucalyptus, soil extracts effects on sporulation, Phytophthora cinnamomi, Phytophthora crystopas 525 sugars, contamination bacteria, fungi 184
God polsoning,
bacteria histamine biosynthesis 121.
bread, contamination, Aspergillus furnigatus mycotoxins, man, neurological
complications 2947.
Clostridium perfringens, pasta, kitchens hygiene, man 7576.
ergot Clavoceps purpurea, reviews, man 1074.
Eschenichia coli enterotoxins, man, reviews 1104.
man, books 10002
man, Clostridium perfringens toxins, USA 2958
man, Clostridium perfringens toxins, USA 2958. Eucalyptus, soil extracts effects on sporulation, Phytophthora cinnamomi, Phytophthora cryptogea 525
Fagus, Magnolia, mortafity factors, pathogens, fung. 4171.
Fagus, soil horizons, aerobic bacteria levels, seasonal variations 524.
Fagus, soil nitrogen mineralization, association, nitrifying bacteria, armomfying bacteria, aesonal variations 4137.
Fagus sylvatica, Piclea abies, soils (organic), nutrient balance, soil microorganisms 9514.
Fagus sylvatica, soil, bacteria population density 4142.
Fertilization, thinning, effects on fruit bodies production, Basidiomycetes 6907.
fertilizer applications, population density, ectomycorrhizas, Fagus sylvatica 8649 man, Doors 10002
man, Clostrodium perfringens toxins USA 2958
man, food contamination bacteria, disease control 3496
man, Strepticoccus entertoxins detection 3892
microorganisms, isolation, identification books 8186
Norvalik agent, oysters, man gastroenteritis food consumption 1072
Salmonella, Clostridium perfringens, Campylobacter association temperature, epidemiology, British Islas 3828.
Salmonella tuebinden, feces isolates, identification, media (isolation) 9921. gastroententis, Campylobacter fetus subsp.jejuni, man 2040.
God processing,
Allium cepa, microbiology, bacteria 3843
bacteria disinfection 4842.
canning nee food contamination 256
canning, stentization 268.
coxsacteevitis 85, heat mactivation, methodology 1092.
cryogenics, effects on, bacteria 3862
funcheon meat, bacteria, food spoilage, heat treatments, effects on 6678
mushrooms 5610.
funchiscomest water, association, Saccharomyces lipolytica single-cell prof 8649

Roodplains, nutrient dynamics, litter fall decomposition, USA, Illinois 6890.

Juniperus procera, frizosphere, inhibition ntrification 3223.

leaf litter decomposition, measuring techniques, eucalyptus 1447.

leaf litter, decomposition, ntrogen cycle 528.

leaf litter decomposition, nutrient dynamics 2294.

litter decomposition, role, fecal microflora, Clethnonomys 1449. inter decomposition, role, fecal microflora, Clethnonomys 1449.
nntrogen cycle 2308.
ntrogen cycle 1409.
ntrogen cycle lungi, introgen mineralization 514.
nitrogen cycle, lungi, introgen mineralization 514.
nitrogen cycle, leaf littler decomposition 2306.
ntrogen mineralization, soit acidification, mathematical models 4138.
nutrient dynamics, nitrogen mineralization, leaf littler production 6895.
Phellinus weiri, Streptomyces antagonism 2298.
Pheca archenissi, Tsuga heterophylla, wood decay, C/N ratios 527.
Picas, soil, soil microorganisms, suffite conversion 6903.
Pinus, fungi, bromass, spatal distribution, seasonal variations 515.
Pinus, leucodermis, soil, wood, Basidiomycetes, new records, Yugoslavia 7778.
Pinus, Pesandostugua, Abes, mortalify, root rot 5075.
Pinus resinosa, organic matter decomposition, nitrogen cycle, ecosystem dynamics 526 mushrooms 5610
olives waste water association, Saccharomyces lipolytica single-cell protein production 8212.
sanitation, monitoring 805
seafood food contamination Staphylococcus aureus, hygiene 3858
solid wastes, soil microorganisms decomposition, land disposal, reviews 5981
Staphylococcus aureus viability, role thermal stability nuclease 266
use, glucose oxidase, Aspergiflus niger 3880.
dod quality,
alcoholic beverages, yeasts culture effects on 1050
beef heat treatments effects on bacteria reviews 8488
fermentation, Theobroma cacao, methodology, effects on 3842
milir bacteria contamination, storage 4837
milir, defection, use, Limidus lysate test, gram-negative bacteria food contamination 8484
ood sources. 526
Populus tremuloides, canker, Hypoxylon mammatum 1464.
Querous robur, Querous rubra, fungi, plant diseases, mortality, pollution effects, air pollution 6926.
recreation, environmental impact, soil properties 6892.
recreation, environmental impact, soil properties 6892.
soil, acetylene reduction, nitrogen fixation, measuring techniques 7835.
soil, acetylene reduction, nitrogen fixation, measuring techniques 7835.
soil, acetylene geophillum sclerota, abundance 6894.
soil, dynng, storage conditions, soil microorganisms, species diversity 5856.
soil, effects on Phytophthora, survivability, germination infectivity, mycella, chlamydosopres 1483. ood sources ood sources,
Brachonus plicatilis+antibacterial agents, treatment infection, Scophthalmus
maximus larvae aquaculture 7609
cattle juveniles, milk-colostrum, termentation, lactic acid bacteria 7599
Drosophila, yeasts, yeasts, rot. Opuntia stricta 3048 Drosophila: Vesass, yeasis, rot. Opunisa sinca 3090 ood apollage, bacteria, luncheon meat, food processing, heat treatments, effects on 6678. colestaw, factors affecting, Saccharomyces dairensis, Saccharomyces exiguus 8479. mushrooms, y radiation, storage, effects on cytolunins 3816. prevention, olives fermentation, bacteria 204. raties, microorganisms inactivation, incubation temperature effects on 2926. soil effects on Phytophthora, survivability germination infectivity, mycella, chlamydospores 1483.

soil, fungi, abhundance, species composition 3160.

soil microorganisms, air pollution, sulfur dioxide effects on 5854,

soil microorganisms, biological activity, biodegradation, wood, Canada 6893.

soil microorganisms, canopies effects on nitrogen cycle 512.

soil microorganisms, nutrient cycles, succession, montane environments 2297.

soil microorganisms, population levels, human impact trampling 4133.

soil microorganisms, population studies, spatial distribution, Tricholomopsis raties, microorganisms inacovation, incubation temperature enects of a ood technology, economics cysters, pasteurization 2936 ood-borne diseases, food industry, qualify control 7575, oods, folic acid content, measuring techniques, use, Lactobacillus casel 7238.

platyphylla 1445 soil nitrogen mineralization 523.

Foscarnet, Forests, (continued) soil properties, phosphorus mineralization, measuring techniques 521, soil, sulfoquinovose sulfur mineralization, soil microorganisms, USA, North ntiviral activity 6065. Fostomycln, Carolina 6904 Samur Immerarization, soft microorganisms, USA, North Soils (acid), dentitrification measurements 7844 soils (acid), intrification, Nitrobacter, Conferales 1446, steppes, trophic relations, community structure, nutrient dynamics 1448. Tanzania, mycormizas symbiosis, trees, strubs 2296. Tanzania, mycormizas symbiosis, trees, strubs 2296. Trophic acid society of the structure of the osfomycln,
- amoxicilin, sensitivity, Staphylococcus aureus, Eschenchia coli 8040.
antibacterial activity, 1184
antibacterial activity, inactivation UDP-N-acetyl glucosamine 1-carboxy vinyl
transferase, Eschenchia coli 8043.
antibacterial activity, Salmonella infection treatment, children 6189,
antibiotic sensitivity testing methodology companson 6090. antibotic sensitivity testing methodology comparison 6090. antibiotic synergism, sagamicin, antibiacterial activity 8023. derivatives, antibiacterial activity 8890. effects on Escherichia coli ultrastructure 8892. effects on Staphylococcus aureus cell walls phospholipids, content 3380. + N-formindoyl thenamycin, antibiotic synergism, Pseudomonas aeruginosa, Klebsella pneumoniae 3394. + midecamycin, antibiotic synergism, antibiacterial activity, Pseudomonas aeruginosa 1669. Treatment effects on, Staphylococcus aureus, viability, ultrastructure 7060. Clostridium perfringens, bacteriocins, antibacterial activity 759. Staphylococcus aureus, cell fusion, recombinants, antibiobic resistance 3286. Formaldehyde, Fouling, assays methodology, bactena 8128. assays methodology, bactena 8128.
Fouling organisms,
antibacterial activity, antifouling substances, metals, sea water 151.
aquate microorganisms, corrosion steel surfaces, sea water 1055.
bacteria, films, cooling water, industrial water systems 6257.
bacteria, films, cooling water, industrial water systems 6257.
bacteria, heat transfer equipment, books 5444,
bodetenoration, fung, bacteria, control, oil, books, conferences 10004,
tubular flow systems, films, quantitation 5316.
wastewater treatment, membrane filtration, bacteria, films characterization 3465. htbacterial activity, Bacillus cereus spores, dimethyl sulfoxide, EDTA, effects on 8772. on 8772.

cattle, effects on proteins metabolism, rumen microorganisms 4857.
dietary intake, Platynota idaeusalis larvae, association, Bacillus thunngiensis subsp.kurstaki toxicity 7498.
sinfection, hospitals 9821.
gases, steritization methodology 8801.
Formalidehyde dehydrogenase (glutathione), purification, characterization, Pseudomonas putida, Debaryomyces vanriji 6516. wastewater treatment, mental are industrict, activity, cell culture 600.

oligosacchandes biosynthesis, streptovirudin antiviral activity, cell culture 6066 Formalin, antifungal activity, fungi cell culture 8793. aritary description of the current of 95.

Formatie,
effects on, Eschenchia coli, alkaline phosphatase subunit association, role
metals 2770.

Formate,
conversion, hydrogen gas production, Enterobacteriaceae 4708.
radicals, biosynthesis. Methanobacterium formicicum 3734

Formate decityftransferses,
association, Streptococcus mutans fermentation 1.

Formate dehydrogenese, eachive residues, chemical modification, bacteria 7380

role, generation NADH, methane monooxygense epoxidation alkenes, Methylosinus
Formate dehydrogenese (cytochrome),
purification, characterization, Eschenichia coli 4551.

Formate dehydrogenese (cytochrome),
purification, characterization Formamide, Eschenchia coli, alkaline phosphatase subunit associabon, role metals 2770. es reservoirs relationship, Nematoda 1,3-dichloropropene 64.74
use, bactera. NAD regeneration systems 4686
Formate dehydrogenase (cytochrome),
purification, characterization, Escenerichia coli 4651.
Formate dehydrogenase (NADP'),
molybdenum, tungsten containing multiple forms, purification, activity, C.D.,
E.S.R., absorption spectroscopy, Clostindium thermoaceticum 8280.
Formic acid,
antifurgal activity, wheat post-bacyest decay 441. Fragaria virginiana, disease reservoirs, tomato ringspot virus, prunus 1209. antifungal activity, wheat post-harvest decay 441.
formyltetrahydrofolate synthetase interaction, N.M.R., Clostridium cylindrosporum Fragrances, microorganisms, characterization, production 4718. microorganisms; characteristation in proceedings of the control of 2803. 2803.
metabolism, energetics, Pichia pastoris 7546.
production, Bacillus brevs, gramicidin biosynthesis 774.
2"-N-Formindoyllatamycin Å,
biosynthesis, Streptomyces tenjimariensis 1655.
N-Formindoyl thenamycin,
+amiliacin, antibacterial activity, gram-negative bacilli, Staphylococcus aureus 1660 Frankfurters. 1660
anaerobic bacteria susceptibility 5194.
antagonism cephalosporins, β-lactamase induction, Aeromonas hydrophila,
Serratia marroescens 7052
antibacterial activity, 8808
antibacterial activity, Acinetobacter calcoaceticus subsp.antitratius,
Acinetobacter calcoacetcus subsp lowfit 7979
antibacterial activity, Enterobacternaceae, Streptococcus group D, Pseudomonas
aeruginosa 3430. gases composition, storage, Lactobacillus, spoilage 5639, spoilage, bacteria, water activity 6667. Frankia, Alnus glutinosa, actinorrhizas, nodulation, growth 5967. colonization. Alpova diplophioeus, Hartig net, Alnus crispa, Alnus rugosa 7776. E Glomus mosseae, effects on nitrogen fixation, Casuarina, equisetriolia 3215. isolates characteristics, Alnus 2227. antibactorial activity, Enterobacteriaceae, Strepticococus group D, Pseudomonas aeruginosa 3430.

antibacterial activity, oran-negative bacilii 7983.

antibacterial activity, Mycobacterium forturium 1615.

antibacterial activity, Neisseria meningitidis, Neisseria gonorrhoeae 776.

antibacterial activity, Staphylococcus presurginosa, Enterobacteriaceae 7075.

antibacterial activity, Staphylococcus presurginosa, Enterobacterial activity, Staphylococcus 7041.

antibacterial activity, Pseudomonas aeruginosa, Kiebsielia pneumoniae 3394.

bacteria antibiotic sensitivity testing 7984erial activity, bacteria clinical isolates 7076.

agentamicin: amikacin, antibiotic synergism, antibacterial activity, Streptococcus faecalis 3417

beginamicin: amikacin, antibiotic synergism, antibacterial activity, Streptococcus faecalis 3417

beginamicin: antibiotic synergism, antibioterial activity, Streptococcus faecalis 3417

beginamicin: antibiotic synergism, antibioterial activity, Streptococcus faecalis 3417

beginamicin: antibiotic synergism, antibioterial activity, Streptococcus faecalis 3417

beginamicin: antibi plasmids, nodules, Ainus glutinosa 560. strains, nitrogenase activity, nitrogen fixation, plants nodules 4239. Frankia aini. nitrogen fixation, Alnus rubra 5958. acrinormizas, hirugen hisautit, anna mana acrinormizas, hirugen hirakina excelator, Pseudomonas syringae subsp.savastanoi infection, pathology 4172. Frazirius pennaylyanica, growth, association, vesicular-arbuscular mycormizas symbiosis, morphology 420 seedings, vesicular-arbuscular mycormizas, phosphate uptake 9503.

biosynthesis, Streptomyces tenjimahensis 1505
Formycin B,
sinetction, disease control, apple mosaic virus, Malus pumila 9500.
N-Formy-16-line,
Epichoe typhina, accumulation, Festuca arundinacea 7499.
N-Formy-13-dihydrocarminomycin,
biosynthesis, Actinomyces, isolation, structure 5542.
2*-N-Formy-13-lisomicin,
Dactylosporangium thailandense, biosynthesis, isolation, character

Dactylosporangium thailandense, biosynthesis, isolation, characterization 4415.

Formyfletranydrofolate synthetase, interaction, formic acid, methylammonium, N.M.R., Clostndium cylindrosporum 2803

nthesis 3737

Fortuitin, conformation, N.M.R., Mycobacterium fortuitum 6391

Securings: Vescular articuscular infractional properties 8368.

BCG, stability 6239

-storage effects on Bacillus brevis spores viability, gramicidin S biosynthesis

viability, lactic acid bacteria, starter cultures 9878. viability, Lactobacillus plantarum, Micrococcus varians 8116.

adonitol, protection, lactic acid bacteria 2686.

adonino, protection, lactic acid bacteria 2586, agar, media (culture), bacteria 5386, bacteria culture, association, contamination analysis methodology 2684. C-type virus infectivity preservation 1745, potato virus Y, potato virus M, potato virus A, preservation, infectivity 2653, storage, Myvobacterium 1800.

Fresze-fracture, plasma membranes, Candida albicans, antifungal activity, amphotericin B 8009, Saccharomyces cerevisiae plasma membranes, association, resistance evaporations of the protection of the prot

se 4914.
Freaze-thawing,
effects on bacteria levels, food contamination, curing, ham 182, meat, Staphylococcus aureus survival, pH effects on 4816 skim-milk, viability, bacteria, Saccharomyces cerevisiae 220.
Tribcum roots, effects on Cephalosporium gramineum infection 376.
Freazionetical description of the phylococcur.

Tundra peac, enable freezing, repeating a paraginase, stability, Candida guilliermondii 7333.

± drying, soil, effects on soil microorganisms 579.

effects on infectivity, potato leaf roll virus, antigenic characteristics,
Solanum tuberosum 9422.

izing, (continued)
Inger Touril reasts outure obtedions 8156
Inger Touril reasts outure obtedions 8156
Ingerstee offens in novembropoles obtions Eutherichia od 6002
Ingerstee offens in novembropoles obtions Eutherichia od 6002
Ingerstee outura obtinoma Extrapolina od 2006
Ingerstee outura obtinoma Extrapolina od 2006
Ingerstee outura obtinoma Extrapolina od 2006 isonini, usotosaosius plantarum. Micronosius vanaris 8116 hii watar inerosaoteriacisas ambicitic resistance heavy metais resistance 9645 hiimatora envirronmenta, sotaria vasiminy silote outurie 3562 historinolini bacteria envirronmentation media isolanoni 3567 historinolini bacteria envirrotation media isolanoni 3567 historinolini bacteria envirrotation media isolanoni 3567 historinolini bacteria envirrotationi seriali bacteria sotario satura sotario significationi plantaria isolate inghi-pentirimanosi louidi simonalogicaphy (ingescriptionia isolate) satura 30 gilega pullatiminalori. Salmonella matoperi. Salmonella cerro 188 più roma. g virus 3 rama activity foot wastes fermentation. Landocachius accorpnius Saccharomyces cerevisiae 7596 st. Issociation: Pseudomonas symngae milection: Pripu us tromocarpa, symptoms 4175 Ismage, association in Servanciera, acusta decay 5921 Ismage, plante, cie nucleation biacteria 4130. Implem disease resistance. Vitis vindera, introger metabolism 7668. Isma food, ... Isla products, India, pactenology qualiny 5679. cats meat contamination. Backus cereus. Staphyropoccus aureus. Strectropocus 1999.
Se D-Fructan fructano-hydrolese.
Scha Dormorova: immobilized sets hydrorysis inuin 6496.
Fructofuremosidese. Fructofuramonidase, additional models and services are services and se bioreactors 3265 ctolonese. ctolotinase.

aracterization, sugars metabolism, Zymomonas mobilis 105.

ymomonas mobilis purification characterization 959

totos.

britania describination protyposphaena potiticisa white rich development. Maius 4975

usosse germanic alois effects on equilibrium Arthropader vyrose isomerase

minopolizigo enzyme use leeds syrus production 4664

componition. Verificinella carriula, association, isopophysacchandes biosymtresis

acco. computation i retinoleia parvivia lassociation i liopopy saccharioes biosymmess (2006). Retarction, germanicia audi, relationethip, Diglucose isomerase. Arthrobacter 1936. Biosolio, Busanior, etihand production. Zymononias mobilis 7514. catches (2-6-bisphosphatia) catches (2-6-bisphosphatia) catches (2-6-bisphosphatia) physiomyces biaxes-seanus 9130 lieutose (3-6-bisphosphatia), subsocialis (3 Subscindus APSS

stock-Prophosphatase

areaction 200 principle of a cacterization 32

areaction of a cacterization of a ctoes-bisphosphetase 54.34. assts is neat mactivation 2009

Fruit rot, (continued) desease control fungicides. Ficus carica 1396 fungi, symptom, Prunus persica 57% Contrerio noi, alla Maria pumisi 1645 capitala visibani. Botturopunda mesvromae prenis sives 7718 capitala visibani. Botturopunda mesvromae prenis sives 7718 contentrol noi servicio. Si cero um mila. Septoria yospersio. Alternaria. Contentrol noi 8807. Mass accorded disease control 355:
Mydischarenta pomi disease control, fungicides, Malus pumia 1392
Mydischarenta pomi disease control, fungicides, Malus pumia 1392
Mydischarenta patrol, Valus pumia Princip persona 2145
Mydischarenta valus patrol, pa Vaccinium corymbosum, Phomopsis vaccinii. USA, North Carolina 3980 Fruit trees,
Sydia pomonella, biological control, granuoss virus 8953
Wonlinia laxa infection. Australia 8569 Amorarous andocha soorlage Aspergilus niger Drechsiera rostrata 2238 Sandochifotate aveas apple mosai, mus effects on. Maiss puma 8562. Sandochifotate aveas desus, storage, Phorae eugus, Collectionium and Sandochifotate and Phoraeochifotate and Sandochifotate Usassiguit Monoglyie. Ayeara usyacarinae design tusi.

diogestion, anaerobic microorganisma 4840 di gestion, anaerobic microorganisma 4840 di gestioni anaerobic ambienga activity. Spore germination 8785 Garcinia kola, Kolannea, antimicrobia activity 1588

Lycoberistori esculprimor disease resistance ripering defects association technological virus microbico desperance description descrip -yoppersion escuentum Phizopus stokenter rection pathogenesis 8590 yoppersion escuenum stero composition association pathogenicity Fusanum Malus our la benzoic acid production disease resistance. Nectria galligena microscopy, spoilage, bibliographies 5034.
positionalists decay prown into Phytophthora otrophthora disease control, metalaxy 1419. post-harvest decay, fungi, disease control 1327
post-harvest decay, fungi, disease control 1327
products food confarmation mods, counting methods 4775.
Vites vinificat, Bothytis cinerea rot, agricultural practices effects on pathogenism, USA Salifornia 7685 Fucomannopeptides, characterizator mycella. Absidia cylindrospora 7295 D-Fuconate dehydratase, purfication characterization Klebsiella pneumoniae 6439 Fuels, uella; biodegradation, microorganisms 5990 produktor. Cilostridium audobustylinium Klebsiella pneumoniae, cellulose nydrolysis 2016 produktor. use 1 nng. reniews 5443 symthetic, pomissis conversion 5137. Fulcannoiol. anti-ingal activity. Cladosponum sladosponoides, wound healing, Daucus carota. 4078. Fullgo Intermedia.

rection Bryophyta India new records 2219 Fulvic acids. peat clodegradation, anaerobic conditions 9264 Furnareae. immobilized enzymes, carrageenans use, Brevibacterium flavum 6472. Furnarate hydratase, activity association. Brevibacterium flavum immobilization use carrageenans. powerniveneurine 4494. activity. Brevibacterium flavum immobilized cells, carrageenans 7343 stability. Brevibacterium flavum immobilized cells, carrageenans gets 7344 Furnarate reductase (NADH). Primarias reductase (NADM), boseymtimes a Possion effects or 2749 Fumanic acid.

overwindess thermodynamics Pseudomonas aeruginosa 8201 Fumiganta. amtunga agents disease control post-harvest decay. Pseudotsuga menziesii wood 1468. wood 1498 disease contro: Maius pumila 492 effects or vesicular arbissular mycormizas, soil 622 treatment, Phellinus weini infection, Pseudotsuga menziesii 545 disease control arabis missaic virus disease transmission. Xiphinema diversical dalum ullium high rulm 587° disease control. Pseudomonas syringae pu syringae canker Prunus domestica 5743 mentam disease control. Syring and 7986 mentam control intologic fivation nodulation. Syring mai 2251 mentam control intologic fivation nodulation. Syring mai 2251 mentam control intologic fivation nodulation. Syring mai 2251 mental cancer sometime association paints stum endomycorrhizas symbolosis growth resultonismo. Head that 59° 0 menty promise induction paints stum endomycorrhizas role growth 5913 string sease control control control intologic paints. Per sometime 1264 sovillegate of maize chrotich motitie virus involence 2116 sovillegated commo damping-off. Cucumis sativus 9473 and, methyl bromide, effects on mycorrhizas, Vitas vinifera, relationship, sturit 5987. Fumigation. sulfur dioxide, effects on Botrytis cinerea post-harvest decay, grapes 2905. sulfur dioxide, effects on Bothylis cinerea post-harvest decay, or Fungel flore, conveyers and services Syria 7815 gordamenable grain storage 7616 Cosmos supraireus seeds storage conditions effects on 4048 gross su microprograms specificing 1351 Deuteromipostes Fagus grandfina care 1438 Eurappitals seeds criarrate zarvo 3103 formeniers, whey 3844 grain dust, grain efevators 7619 led litter, Prinus, methyl bromide dazomet, effects on 3250, led litter, Prinus, methyl bromide dazomet, effects on 3146. leaf surface. Brassica campestris. fungicides effects on 3146. osmole stability, soil, surveys. Syna 7817. phylloptane microorganisms, needlecast, Pinius sylvestris 9521.

Fungi, (continued) Fungal flora, (continued) conal variations, community composition, crop fields, Brassica campestris cutinase 8241.
cyanogenesis assays, Pseudomonas contamination, hydrogen cyanide 3556.
dating methods, Shroud of Turin 2645.
Daucus carota roots phytoalexins antimicrobial activity 5057.
decomposition, carbon dioxide gas production, gas chromatography, wood, Fagu 9546 seed composition. Prunus amygdalis, water activity effects on 5903, seed composition. Prunus amygdalis, water activity effects on 5903, seed-borne diseases, inhibition seed germination, Cedrus deodara 9528, seeds. Compositiae 7726. Seeds. Elettaria cardamomum 7725, soil microorganisms, community composition, deserts, Kuwart 8673, soil microorganisms surveys, Syria 7814. surveys, hitzosphere, Saccharum officinarum 7813. Thalassia testudinum leaves, sterilization methodology 3623. ungl. Cyatagenesis assays, Fsetucinas containation, hybriden by dating methods, Stroud of Turin 2645.
Dacus carota roots phytoalexina antimicrobial activity 5057.
decomposition, carbon dioxide gas production, gas chromatography, wood, Fag sylvatica 9530.
decomposition, interior, activity of the strong sylvatica 9530.
decomposition, materior, activity of the strong sylvatica 9530.
detection, business of the strong sylvatica 9530.
detection, business of the strong sylvatica 9530.
detection, business of the strong sylvatica 9537.
detection, business of the strong sylvatica 9537.
detection, business of the strong sylvatic 9537.
detection, on the strong sylvatic 9537.
detection on the sylvatic 9537.
detection on t Smith Structure of the Control of th antifungal agents resistance, New Zealand 7880.
antimicrobial activity, Basidiomycetes, antibiotics 2496,
antimicrobial activity, preservatives, acetic acid, sodium chloride, essential oils 706.
antimicrobial activity, roots extracts, Agrimonia pilosa 6800.
antimicrobial activity, synergism, ethanol+sodium chloride+acetic acid+essential oils 7115.
antimicrobial activity, 2H-1,3,5-thiadiazine-2,4(3H)-dione derivatives 1585.
antimicrobial agents biological properties, synthesis 8773.
antitioxins, screening, identification, characterization, methodology 898.
Apios tuberosa inoculation, apiocapin response 3143.
aromatic compounds oxidation, 1-naphthol levels 4521.
association, Insecta, seeds, deterioration 2975.
association, physiological disorders, tissues, Tirfolium vesiculosum 8544.
biodegradation, carbohydrates, straw 8442.
biodegradation, cellulose acetate reverse osmosis membranes 2883.
biodegradation, colonization, leal litter 3771.
biodegradation, colonization, leal litter 3771.
biodegradation, feeds preservation, 8-quinolinol treatment 5630.
biodegradation, feeds preservation, 8-quinolinol treatment 5630.
biodegradation, feeds preservation, 8-quinolinol treatment 1400.
biodegradation, hydroquinone 8427.
biodegradation, propulus ingini 6552.
biodegradation, propulus ingini 6552.
biodegradation, propulus ingini 6552.
biodegradation, propulus ingini 6552.
biodegradation, whod, chromated copper arsonate treatment 3766.
biodegradation, wood, chromated copper arsonate treatment 3766.
biodegradation, wood chromated copper arsonate treatment 3766.
biodegradation, wood chromated copper arsonate treatment 3766.
biodegradation, wood revisitance 5591.
biodegradation, wood resistance 5591.
biodegradation, becteria, fouling organisms, control, oil, forestry products, effluents, Gramineae, books, conferences 10004.
biological control, insecta 4722.
biological control, insecta 4722.
biological control, insecta 4722.
biological control, insecta 6472.
biological control, insecta 6473.
candinum biological control, insecta 6473.
candinum biological control, insecta 6473.
ca antimicrobial activity, roots extracts, Agrimonia pilosa 8800. antimicrobial activity, synergism, ethanol+sodium chloride+acetic acid+essential oils 7115. growth monitoring, penicillin fermentation, media (culture), computer applications 9754. growth, monitoring, propionic acid, antifungal activity, preservation, feeds 1086. heavy metals leaching, screening methodology 3256.
Helianthus annus sesquiterpenes lactones antimicrobial activity 7953.
Holianthus annus sesquiterpenes lactones attimicrobial activity 2494.
Holianthus complex prosphate, nutrient availability, fertilisation, agricultural land host-patrogen interactions, disease resistance, genetic factors, plants 465.

Mythae, growth chambers 9988

Identification, diagnosis, methodology, automated methods, books 5449.

Immobilized cells, transformation, steroids, reviews 3706.

Imfection, Agancus, prochloraz, disease control 4118.

Imfection, Agancus, prochloraz, disease control 4118.

Imfection, Agancus, prochloraz, disease control 4118.

Imfection, Basicliomycetes, cultivation 2208.

Imfection, Deluberries, post-harvest decay, disease control, carbon dioxide storage 3106.

Imfection, Emblica officinalis, ascorbic acid content 3964.

Imfection, Emblica officinalis, ascorbic acid content 3964.

Imfection, Giossypium hirsutum seeds, protection 5068.

Imfection, Gossypium hirsutum seeds, protection 5068.

Imfection, Gossypium hirsutum seeds, protection 5068.

Imfection, Liouna, Fransformation, grazing animals lupinosis 5005.

Imfection, Liouna, Fransformation, grazing animals lupinosis 5005.

Imfection, Lycopersicon esculentum, relationship, electrophoresis, acids solubility proteins 2983.

Imfection, Mangiera Indica, disease transmission, Amritodus atkinsoni, Idioscopus clypealis 3022.

Imfection, Petroselium hortense cell culture, phytoalexins induction 5765.

Imfection, Protoselium hortense cell culture, phytoalexins induction 5765.

Imfection, Protoselium hortense cell culture, phytoalexins induction 5765.

Imfection, Protoselium hortense cell culture, phytoalexins biosynthesis enzymation activity 5767. 3955. infection, Pinus sylvestris leaves, relationship, age 4177. infection, plants, 2-chlorethylphosphoruc acid effects on pathogenicity 319. infection, peaced several sever contamination, vaccines, antibiotic resistance, drug resistance, characterization counting methods, beaches 9071.
counting methods, media (isolation), milk products 4530.
cross-resistance, dodine, association fenamnol resistance 7022.
crown rot, Musa sapientum, pathogenicity 395.
cryporeservation, nitrogen (Iquid), methodology 6345.
cultures, fermentation, solid-phase methods, sawdust, straw 8444.

ngl. (continued)
infection, vegetables, cultivation, disease control 2209.
infection, vegetables, plants, disease control 2257.
infection, vigna radiata, biodetenoration, seed-borne diseases 3915
infection, wood, burning effects of public health, airborne microorganisms, man proteinase activity, inhibitors, Bombyx mori 2751.

prines spoilage 4777.
respiration, fermentation heat, carbon sources 145.

Rhizobium japonicum antagonists 576.

hizosphere microorganisms, Nicotiana rustica age effects on 7795.
root rot, Infection, Trifolium, effects on yield 2104.
root rot, Phaseolus vulgaris, incidence, USA, Wisconsin, bioassays 3923.
root rot, Trifucium aestivum yield, factors effecting 1179.
rust, Leguminosae, bioassays, defection, chrifin 6737.
rust susceptibility, relationship taxonomy. Rosaceae 2201.
+Ruta graveolens callus mixed culture, acridone epoxides biosynthesis 7266.
scanning electron microscopy, booke 393.
secondary metabolism, metabolites, books 3637.
seed-borne diseases, pathogenesis 2973.
seed-borne diseases, pathogenesis 2973.
seed-borne diseases, quality control assays 2968.
seeds microflora, Glycine max, gibberellins ± Azotobacter foliar applications effects on 3671.
self fluorescence, use, detection, tissues 8156.
seffcophores detection, electrophoresis methodology 8090.
sitage fermentation 5629. Fungi, (continued) infection, vigita radiata, biodetenoration, seed-borne diseases 3915 infection, void, burning effects of public health, antionne microorganisms, man 4454 infection. Zea mays, propionic acid effects on growth 6746, infection. Zea mays, propionic acid effects on growth 6746, infections acid effects on growth 6746, infection silage fermentation 5629.

silage, mycotoxins production 4892.

silage, mycotoxins production 4892.

single-cell protein, nutritive value, production, economics, technology 9107.

single-cell protein production 7602.

silde preparation media 2723.

soil, benodanil, media (selective) 1404.

soil, Beta vulgaris, crop rotation, insecticides, herbicides, effects on 618.

soil fauna association Zea mays 6941.

soil flora, forest floor, interspecific relationships. Oribatidae, reviews 5069.

soil, herbicides effects on 8707.

soil isolates, antifungal activity, metiram, benodanil 2286.

soil microorganisms association Glycine max, propachlor effects on 7862.

soil microorganisms, cartap effects on 3248.

soil microorganisms, cardy effects on 3248.

soil microorganisms, solation, use, media (culture)+validamycin 2709. mycolia, p-animoacottophenone concentration, relationship levorin biosynthesis 7171.

7171.

mycolia, penetration, pores, Glycine max, seeds 321 mycorinbas, host specificity. Evalyptus, Pinus radiata, Pinaceae 5901 mycorinbas, host specificity. Evalyptus, Pinus radiata, Pinaceae 5901 mycotoxins, biosynthesis, environmental factors effects on 284 mycotoxins, tode contamination, animals feeds, fungicides use control 3865, mycotoxins, food contamination, animals feeds, fungicides use control 3865, mycotoxins, food contamination, nincidence, British Islesia 3878, mycotoxins, food contamination, incidence, British Islesia 3878, mycotoxins, food contamination, animals feeds, fungicides use control 3865, mycotoxins, food contamination, incidence, British Islesia 3878, mycotoxins, food contamination, animals feeds, fungicides use 5056, nutritive value, digestibility, man 5615, organic matter decomposition, antibiotics effects on 5922, ornamental piants disease control fungicides use 5056, pathogens, plants activity, bifonazole, clotiniazole 7938, pathogens, plants, sological control, Cullicinomyces 1013, pathogens, biological control, Cullicinomyces 1013, pathogens, forestic, Fagus, Magnolia 4171, pathogens, mortality factors, forestic, Fagus, Magnolia 4171, pathogens, ornamental plants, fungicides resistance, greenhouses 4 2049.
soil microorganisms, isolabon, use, media (culture)+validamycin 2709.
soil microorganisms, low temperature scanning electron microscopy 578.
soil microorganisms, soil amendment, carbendazim, fluorometuron, curacron, effects on 2379. effects on 2379.
soil microorganisms, species diversity, biogeochemistry, USSR 2347.
soil microorganisms, vertical distribution, soil profiles 2350.
soil, population dynamics, soil analysis, methodology 4224.
soil-borne diseases, soil solar radiation effects on 7754.
Solanum tuberosum blight, detection, aerial photography, I.R. radiation 1252.
species composition, population levels, leaf lifter, forests, tropical soil-porne diseases, soil solar radiation effects on 7754.
Solanum tuberosum bilght, detection, aeral photography, I.R. radiation 1252. species composition, population levels, leaf litter, forests, tropical environment 1443.
species composition, soil microorganisms, population levels, stash and burn 9622. spoilage, hay, prevention, antifungal agents 247. spoilage, meat products, vacuum packaging 4880. spoilage, mety roducts, vacuum packaging 4880. spoilage, milk products, polyethylene packaging, oxygen permeability 4884. spoilage, mycotoxns, contamination, corn 5643. spoilage, preservation, isoburyic acid, propionic acid, corn 5626. spoilage, stored products 486. spore germination, ribrosphere, Cajanus cajan, Lathyrus sativus 558. spores germination, ribrosphere, Cajanus cajan, Lathyrus sativus 558. staggers, Lolium, propioonazole, artifungal activity 7834. storage, plant extracts antifungal activity 7934. storage, plant extracts antifungal activity 7934. submergence, water pollution effects on 8977. substrates utilization, reviews 6655. take-all, Triticum aestivum, soil microorganisms, amoeba, phagocytosis 4223. thermophilic microorganisms, a-amylase biosynthesis 1913. toxins production, detection methodology 4542. transformation, use, organic compounds production, reviews 5441. treatment, pulp, effects on paper 896. trifluration biodegradation 8446. use, antibiotics production, reviews 5238. use, drug sensitivity testing, antimicrobial agents efficacy 9702. use, production, food, fuels, chemicals, reviews 5443. use, purgication, generative stems, and sensitive subgaris dyes 9086. viruses, role, plant diseases, reviews 1119. wastewater treatment, mulsarial environment, pulp, effects on paper 896. viruses, role, plant diseases, reviews 1119. wastewater treatment, mulsarial, environment, pulp, price ables, disease resistance 4176. wood decorposition, papalial distribution, population levels, stands, Fagus grandifolia, Acer saccharum 6891. wood decay, ecosystem dynamics, forests 8646. wood decorposition, spatial patulin, carbohydrates effects on antibacterial activity, Streptococcus bovis 273.

patulin, incidence, Beta vulgaris roots feeds 1089.

peats post-harvest decay, antifungal activity, surfactants+chlonne 1323.

peat, biodegradation, anaerobic conditions, C/N ratios 9264.

pencillin fermentation, biomass measuing techniques, probes 9085.

periodase activity, oxidation humic acids, soils (organic) 5925.

pesticides resistance, fungicides exposure 9639.

phosphate solubilization, carbon sources, soil 9533.

phytotioxins, inhibition seeds germination, Guizotta abyssinica 2082.

plant diseases, conferences 7280.

plant diseases, epidemics, mathematical models 3906.

plant diseases, gidemics, mathematical models 3906.

plant diseases, epidemics, mathematical models 3906.
alart diseases, Gramineae, disease control 5829.
dant diseases, Gramineae, disease control 5829.
blant diseases, Gramineae, disease control 5829.
blant diseases, Flevea brasiliensis, disease control 5827.
blant diseases, mortality, pollution effects, air pollution, forests 6926.
blant diseases, mortality, pollution effects, air pollution, forests 6926.
blant diseases, onamental plants, frees, fungicides 9480.
blant diseases, ornamental plants, frees, fungicides 9480.
blant diseases, roticum, Erysiphe gramnins, Puccinia hordei, Septoria, disease control, fungicides 5830
blant diseases, Triticum, Erysiphe gramnins, Puccinia hordei, Septoria, disease control, fungicides position, heavy metals gradients, soil, Sweden 6898.
blants pathogens, new records, New Zealand 3899.
blants pathogens, new records, New Zealand 3899.
blants diseases, new records, New Zealand 326.
bopulations, South Africa Rep. plains 4217.
bost-harvest decay, cantaloupes, control, use, benomyl - guazatine 6898.
bost-harvest decay, com suffur dioxide effects on 5030
bost-harvest decay, com suffur dioxide effects on 6836.
bost-harvest decay, ethylene, effects on, growth 8794.
bost-harvest decay, ethylene, effects on, growth 8794.
bost-harvest decay, punes 5801.
bost-harvest decay, vindiri 3104.
bost-harvest decay, fixering and control, benomyl, guazatine 6832
bost-harvest decay, fixering and control, benomyl, guazatine 6832
bost-harvest decay, prunes 5801.
bost-harvest decay, fixering and control, benomyl, guazatine 6832
bost-harvest decay, prunes 5801.
bost-harvest decay, prunes 5801.
bost-harvest decay, fixering and control, benomyl, guazatine 6832
bost-harvest decay, fixering and control of the cont 4028.
applications, late blight, phytophthora infestans, Solanum tuberosum 4106. applications, methodology, comparison, disease control, brown rot, Phytophthora citrophthora, citrus 8638.

Bacillus subtilis biological control, white rot, Allium cepa, seed treatments 4103. treatments 4103.

brassica campestris, effects on leaf surface fungal flora 3146.

control, post-harvest decay, Botryodiplodia theobromae rot, bananas 5804.

Cucumis melo post-harvest decay, effects on 7723.

dicarboximide, Botrylis cinerae resistance, New Zealand 7880 disease control, black spot, Diospyros kaki 8628.

disease control, blight, Sclerobum roftsii, Poa 1402.

disease control, downy mildew, powdery mildew 1433.

disease control, Erysiphe polygoni, powdery mildew, coriandrum sativum 493.

disease control, Erysiphe polygoni, powdery mildew, coriandrum sativum 493.

Fungicides, (continued)
disease control, fungi infection, Citrus 4112.
disease control, fungi, post-harvest decay, cantaloupes 1399.
disease control, iate blight, Solanum tuberosum 1388.
disease control, leafspot, Varachs hypogaea 9485.
disease control, leafspot, Pestalozzia palmarum, Helminthosporium, Cocos nucifera Funglcides, (continued) seed treatments, disease control, root rot, Glycine max, USA, Ohio 7772, seed treatments, disease control, Tilletia controversa bunt, Triticum aestivum 4110.
seed treatments, disease control, tobacco mosaic virus, Crotalaria juncea 1436.
seed treatments, Dolichos lablab 2290.
seed treatments effects on Glycine max 5844.
seed treatments, fung plant diseases, Glycine max, Gramineae, reviews 4132.
seed-borne fung, antifungal activity, trees 2319.
Sphaeroffice duiginea sensitivity, association ergosterol biosynthesis inhibition 9487. 1.991.
disease control, Monilinia fructicola, brown rot, orchards, Prunus persica 1405. disease control, Mycosphaerella pomi, fruit rot, Malus pumila 1392, disease control, Phoma trachephilia, mal seco disease, citrus 4101. disease control, Phragmidium mucronatum rust, Rosa laxa 4115. disease control, Phragmidium mucronatum rust, Rosa laxa 4115. citusese control, Phragmidium mucronatum rust, Rosa laxa 4115. citusese control, Phragmidium mucronatum rust, Rosa laxa 4115. citusese control, Phragmidium mucronatum rust, Rosa laxa 4115. Infiliation 3407. + Suffer and State citrus lemon 484.
disease control, piant diseases 7758.
disease control, piant diseases 7758.
disease control, piant diseases 7758.
disease control, piant diseases, foliar applications 8636.
disease control, powdery mildew, Hordeum vulgare 9489.
disease control, powdery mildew, Podosphaera leucotricha, Maius pumila 2280.
disease control, powdery mildew, Podosphaera leucotricha, Maius pumila 2281.
disease control, Pseudomonas syringae pv. tomatio, speck, Lycoperation esculentum treatment, brown spot, Drechslera oryzae, Drechslera sorokiniana, Zizania aquatca 2272.

reatment, Lungi biodegradation, forest products 1400.

treatment, Lungi biodegradation, forest products 1400.

treatment, Hordeum, effects on fung imicroflora 7766.

treatment, Hordeum plant diseases 497.

treatment, Hordeum plant diseases 497.

treatment, Drodosphaera leucotricha powdery mildew, Malus pumila, dormancy 139.

treatment, prodosphaera leucotricha powdery mildew, Malus pumila, dormancy 139.

treatment, Triticum aestivum rust, association grain quality 7667.

treatment, Triticum aestivum rust, association grain quality 7667.

use, ching disease control, Factors affecting, barley storage 7724.

use, insacticides, disease control, Dioscorea dumetorum 5061.

use, ornamental plants disease control 5056.

Verbcillium albo-atrum, effects on pectinolytic enzymes production 7314.

weather, effects on, use, perdiction, late blight, Phytophthora infestans, Solarum tuberosum 8622.

unglistaels. 5822.
disease control, Pseudoperonospora humuli, downy mildew, Humulus lupulus disease control, Pyrenopeziza brassicae, leafspot, Brassica olearacea 2276. disease control, Pyricularia oryzae, blast, Oryza sativa 8630. disease control, Ravenelia lagerheimiana infection, Enterolobium cyclocarpum 8656 disease control, Rhynchosporium secalis, leaf blotch, Hordeum vulgare 5809, disease control, root rot, Lycopersicon esculentum, Solanum melongena 6872, disease control, Rosa canker 1410. disease control, Sclerospora grammicola downy mildew, Pennisetum amencanum 4116 disease control, Sclerotinia minor blight, Arachis hypogaea 4100. disease control, Sclerotinia sclerotiorum infection, Brassica napus, spore traps nutrient availability, germination, Macrophomina phaseolina sclerotia, Thielaviopsis basicola chlamydospores, Cochliobolus victoriae conidia, soil 957: disease control, seed-borne diseases, Oryza sativa, Glycine max, Triticum disease control, seed-borne diseases, Oryza sativa, Glycine max, Tincum aestivum 1434. disease control, sheath blight, Corticium sasakii, Oryza sativa 3148. disease control, spraying equipment, foliar applications, blight, Daucus carota soil 3179 soil 3779. soil 3779. soil properties, rhizosphere, Cajanus cajan, Lathyrus sativus 558. transferm, Rhizopus oryzae, Trichophyton mentagrophytes 8792. Verticillium dahliae, relationship, soil depth, soil microorganisms, environmental factors 584. disease control, Triticum aestivum 2273. disease control, Triticum plant diseases, fungi 5830. disease control, white rot, Conolus versicolor, pruning wounds, Malus pumila Synergism, bile acids, antibacterial activity, Staphylococcus 1618.

Furazolidone,
antibacterial activity, Vibrio cholerae, Vibrio parahaemolyticus, enhancement,
cafferne 1560.
Campylobacter fetus, subsp.jejuni, drug sensitivity testing 4292.
drug resistance, Salmonella Typhimurium clinical isolates 4282.

Furtural, n, bile acids, antibacterial activity, Staphylococcus 1618. coo's.

disease control, Xanthomonas phaseoli, leafspot, Vigna radiata 509.
drug resistance, pathogens, Mangifera indica 1532.
effects on Conidiobolus obscurus resting spores spore germination 7762.
effects on, Graphium penicillioides, biosynthesis, pectate lyase, pectin lyase effects on Macrophomina phaseolina spore germination 7760.
effects on Monilinita fructicola, growth, sporulation, isolation 2282.
effects on Mucror mucedo cell walls biosynthesis, association, dimorphism, factors affecting 4310.
effects on Micro mucedo cell walls biosynthesis, association, dimorphism, factors fallows fasciculatus 5200.
effects on, Phlyctochytrium, Rhizidiomycopsis, parasitism, Gigaspora marganta, Glomus fasciculatus 5200.
effects on orithothecium roseum spore germination, in vitro 7764.
effects on orithothecium roseum spore germination, in vitro 7764.
effects on orithothecium roseum spore germination, in vitro 7764.
effects on orithiago avenae morphology, scanning electron microscopy use 8619.
effects on visitiago avenae morphology, scanning electron microscopy use 8619.
effects on visitiago avenae morphology, scanning electron microscopy use 8619.
effects on visitiago avenae morphology, scanning electron microscopy use 8619.
effects on Ustilago avenae morphology, scanning electron microscopy use 8619.
effects on Visitiago avenae morphology, scanning electron microscopy use 8619.
effects on Ustilago avenae morphology, scanning electron microscopy use 8619.
effects on Visitiago avenae morphology, scanning electron microscopy use 8619.
effects on Visitiago avenae morphology, scanning electron microscopy use 8619.
effects on Visitiago avenae morphology, scanning electron microscopy use 8619.
effects on Visitiago avenae morphology, scanning electron microscopy use 8619.
effects on Visitiago avenae morphology, scanning electron microscopy use 8619.
effects on Visitiago avenae morphology, scanning electron microscopy use 8619.
effects on Visitiago avenae morphology, scanning electron microscopy use 8619.
effects on Visitiago avenae morphology, scanning electron microscopy use 8619.
effects on Visitiago avenae morphology, scanning electron microscopy use 8619.
effects on Visitiago avenae morphology, scanning electron microscopy use 8619.
effects on Visitiago avenae morphology, scanning electron micros antifungal activity, wheat post-harvest decay 441.
association, ampicillin degradation kinetics, aqueous solutions 5251. disease control, white rot, Coriolus versicolor, pruning wounds, Malus pumila 6873. cusarium,
antifungal activity, [1-(carbethoxyamidino)-O-alkylisourea]copper(II)
dervatives 5205.
chemicals, antifungal activity 3336.
colonization, Sorphum bicolor stalks, roots 5715.
contamination, feeds, assays 4863.
contamination, feeds, mycotoxinis 3868.
com spoilage, storage 2069.
crown rot, root oft, pathogenicity, Medicago sativa, Egypt 5675.
4-deoxynivalenol, food contamination, Gramineae 6687.
disease control, benomyl foliar applications, metham furnigation, Glycine max
5060.
est/tacellular enzymas. Polyanlantiments. 5060.
syrtacellular enzymes, polygalacturonase biosynthesis 1922.
extracts, dieback induction, Pinus 2313.
fructose production, use, sucrose, fructose syrup 6572.
Gramineae footrot pathogens antagonism, Pseudocercosporella herpotrichoides,
Rhizoctonia cerealis 1148.
infection, Crotalana juncea, symptoms, pathology 1280.
infection, Gramineae, effects on yield 7675.
infection, Gramineae, effects on yield 7675.
infection, organium vulgare, pathology, ergosterol 5720.
infection, vegetables, plants, disease control 2267.
interaction Verticillium dahliae, pectin-degrading bacteria, wilt, Amoracia
rusticana 1253.
isolation, trees roots, stems, media (selectiva) 6352 foliar applications, spraying equipment, disease control, blight, Daucus carota 9484.
Hordeum seed treatments, disease control, Cochilobolus sativus infection 1429.
IBP, biodegradation, flavoprotein-linked monoxygenase, Pyriculara oryzae 5590. inhibition, strots, demental protein prote Tustica in 1235. Isolation, trees roots, stems, media (selective) 6352. lignocelluloses biodegradation 9261. mycotoxins, londing dehydrogenase active sites, Saccharomyces cerevisiae 7625 mycotoxins, londing dehydrogenase active sites, Saccharomyces cerevisiae 7625 mycotoxins, londing mycotoxins, incidence, British Isles 3878. pathogenicity, Phaseolus vulgaris, association (levitione hydratase biosynthesis 349.

post-harvest decay, disease control, fungicides, cantaloupes 1399.
post-harvest decay, etiology, Manihot esculenta 3102.
production, plants growth regulatiors 7491.
production, Zearalenone, characterization 2073.
proteins, fermented food 5611.
root rot, Triticum aestivum, USA, Colorado, USA, Wyoming 6776.
single-cell protein production, crop residues, food industry, industrial wastes.
9112. 7890. resistance, Monilinia fructicola, Infection, Prunus persica, pathogenicity 2278. resistance, Monilinia (axa 7900. resistance, phytopathogenic fungi, plant diseases 8725. resistance, Phytopathogenic fungi, plant diseases 8725. resistance, Phytopathogenic fungi, plant diseases 8725. resistance, Phytopathogenic fungi, plant diseases and the sistance, powdery midew, measuring techniques, Cucumis sativus 7886. resistance, Pyricularia oryzae, blast, measuring techniques, in vitro 7892. resistance, Pyricularia oryzae, blast, measuring techniques 7886. saprophytes, competition, suppression, antagonism, Fusarium udum 5694. screening, disease control, Erwinia amylovora, fireblight, seedlings, Malus pumila 1406. soil, media (isolation) 3184. soil microorganisms, growth, spore germination, ammonia, volatiles, effects on 2349. spore germination, iprodione, thiophanate methyl, effects on 7765. toxicity testing, mutagenicity testing, mycotoxins, role dieback, Pinus 2315. T-2 toxin, effects on growth, Saccharomyces cerevisiae, Saccharomyces carlsbergensis 3876. T-2 toxin, metabolities, structure, cattle 3884, wilt, interaction, Erwinia carotovora, black leg, effects on, Solanum tuberosum. wilt, Lycopersicon esculentum, Citrullus vulgaris, disease control, use, antagonists 1354.

Fusarlum avenaceum,
Invasion, Trifolium repens 5692.
root rot, Leguminoseae 5681. pumila 14/0.
screening, Pinus radiata protection 7761.
seed treatments, Arachis hypogaea, association, disease control 2291.
seed treatments, damping-off, seed rot, Gossypium 1432.
seed treatments, disease control, Glycine max 1428.

arium crookwellense ap.nov.,
briphology, ecological distribution, soil 3204.
arium culmorum,
thungal activity, briademenol diastereoisomers 693.
bt rot, antifungal activity, peracetic acid, Gramineae 1394.
fected roots, crop residues, role, infection, Triticum aestivum, Hordeum
vulgare, Lolium perenne 3961.
fection, Gramineae, Gaeumannomyces graminis suppression, soil, effects on 3205.
fection, Gramineae, Gaeumannomyces graminis suppression, soil, effects on 3207.
fection, Gramineae, Gaeumannomyces graminis suppression, soil, effects on 3207.
fection, Gramineae, Gaeumannomyces graminis suppression, soil, effects on 3207.
fection, Triticum seetilings, water potential effects on pathogenicity 1149.
bioruzation biosynthesis, ry 16.
aaralenone biosynthesis, relationship Gramineae pathogenesis 8510.
aarium equisett,
bioruzation, Sorghum bicolor stalks, roots 5715.
tracts, dieback induction, Pinus 2313.
fection, Oryaz sativa 1192.
lant diseases, Vigna unguiculata, factors affecting pathogenesis 4931.
sodeoxycholic acid biosynthesis, lirhocholic acid metabolism 1825.
Igna unguiculata necrosis, India 2109.
iii, Cuminum cyminum, etiology 1300.
arium graminearum,
iii, Cuminum aestivum, Horedeum vulgare 4959.
acito 17, triticum aestivum, Hor Fusarium oxysporum f.sp.chrysanthemi, inoculation, Chrysanthemum monifolium disease resistance 4999, witt, inoculation, pathogenesis, Chrysanthemum monifolium 5764, witt, media (culture), organic compounds, effects on 4040.

Fusarium oxysporum f.ap.clearl, asymptomatic infection, Cajanis cajan, Lens esculentus, Pisum sativum 4938, witt, disease resistance, cumerinum, cicer anetinum 4062.

Fusarium oxysporum f.ap.cucumerinum, disease resistance, cucumis sativus, pathogens induction 2262, witt, Cucumis sativus, disease resistance function 465.

Fusarium oxysporum f.ap.cumin sativus, incidence 9415.

Fusarium oxysporum f.ap.cumin, spore germination, antifungal activity, fruits extracts, Diospyros cordifolia 8785. Fusarium oxysporum f.sp.fatshederae, Fusarium oxysporum r.sp.ratsnederee, wit, Fatshedera lize i862.
Fusarium oxysporum f.sp.gladioli, wit, symptoms, chemical control, Gladiolus 3995.
Fusarium oxysporum f.sp.lini, wit, media (culture), organic compounds, effects on 4040.
Fusarium oxysporum f.sp.lupin, with disease resistance. Luninus albus 9461. wilt, disease resistance, Lupinus albus 9461.

Fusarium oxysporum f.sp.lycopersica,
spore germination, antifungal activity, fruits extracts, Diospyros cordifolia
8785. 8785.

Fusarium oxysporum f.sp.lycopersicl,
Infection, Lycopersicon esculentum, interaction, tomato mosaic virus 9397.
Infection, Lycopersicon esculentum seedlings roots, pathogenesis 4028.
Interaction, Meloidogyne incognita, effects on, Lycopersicon esculentum, growth
factors, production 1276.
Meloidogyne incognita infection, effects on, lycopersicon esculentum,
susceptibility 1281.
wilt, cytopathology, Lycopersicon esculentum 3088.
wilt, integrated control, benomyl+nitrate+calcium oxide, Lycopersicon esculentum
4108. 4108 wilt, integrated control, nitrate+calcium oxide+benomyl, Lycopersicon esculentum 4107. 4107.

wit, interaction Meloidogyne javanica, Lycopersicon esculentum 3990.

wit, Lycopersicon esculentum, etiology 1257.

wit, Lycopersicon esculentum, etiology 1257.

wit, Lycopersicon esculentum, nitrogen nutrition effects on 411.

Fusarium oxysporum f.sp.medicaginis,

wit, Medicago sativa, disease resistance, inheritance 6862.

wit, soil moisture, effects on, disease resistance, Medicago sativa 4097.

wit, virulence, disease resistance, Medicago sativa 3914.

Fusarium oxysporum f.sp.melonis,

invasion, soil fumigation 5898.

Fusarium oxysporum f.sp.niveum,

rifection, susceptibility, Curcurbita 4010.

wit, inoculum, effects on, disease resistance, Citrullus lanatus 5774.

Fusarium oxysporum f.sp.orthoceras. intection, susceptibility, Curcurbita 4010.
wilt, inoculum, effects on, disease resistance, Citrullus lanatus 5774.

Fusarium oxysporum f.sp. orthoceras,
root rot, Leguminoseae 5681.

Fusarium oxysporum f.sp. pisl,
Lycopersicon esculentum roots penetration, pathogenesis 6825.
pathogenicity, Pisum sativum, temperature effects on 7653.
wilt, interspecific interactions Pratylenchus penetrans, Pisum sativum 1133.
wilt, Pisum sativum, disease resistance, electrophoresis 4065.

Fusarium oxysporum f.sp. radiclei-lycopersict,
plant diseases, roots, crops, greenhouses, USA, North Carolina 9411.
root rot, epidemiology, Lycopersicon esculentum 3998.

Fusarium oxysporum f.sp. radiclei-lycopersic,
dispersal, witt, association, Gossypium barbadense, Israel 6817.
soil-borne diseases, biological control, Gossypium hirsutum 7769.
spore germination, stimulation, prometryne, trifuralin, roots exudates,
Gossypium hirsutum 8706.
witt, disease resistance, Gossypium 4086.
witt, disease resistance, Gossypium 4086.
witt, Gossypium hirsutum seeds, pathogenesis 4991.
witt, adalenticum radialiotion, molit temperature, effects on, Gossypium barbadense,
witt solar radialiotion, molit temperature, effects on, Gossypium barbadense, eback, Pinus eliotiii, Pinus taeda 5076.

lological contro, pest control, Henosepilachna vigintioctopunctata 1034. toth canker, epidemiology, Pinus taeda 1676.

tich canker, pathogenesis, Pinus 6909.

tich canker, Pinus taeda seeds, epidemiology 543.

artium nivela.

fection, Hordeum vulgare, Triticum aestivum, seed treatments, use, probentylmercuric acetate 8645.

footion resistance 1530.

sed-borne diseases, pathology, Triticum aestivum, seedlings 3937.

artium oxysporum.

stitungal activity, 1,2,4-triazolo(3,4-c)-1,2,4-dithiazoles 8788.

saai rot, Oryza sativa nodes, pathogenicity 3951.

ocides, artifungal activity 5973.

olidiciae bortorio, Nilagarvata lugens, plant diseases 3719.

olidiciae bortorio, Nilagarvata lugens, plant diseases 3719.

olidiciae bortorio, Nilagarvata lugens, plant diseases 3719.

olidiciae bortorio, quintozener ferbam, bubis, Illium 1427.

fects on seeds germination, Phaseolus mungo 3924.

fects on seeds germination, Phaseolus mungo 3924.

intro, Benicasa hispida, pathogenesis 3099.

fection, Medicago sativa, association, Rihizobium nodulation 5114.

fection, mit, disease resistance, screening, Glycine max 1372.

vasion, Trifolium repens 5692.

art oft, Benicasa hispida, pathogenesis 3099.

fection, Medicago sativa, association, Rihizobium nodulation 5114.

fection, mit, disease resistance, screening, Glycine max 1372.

vasion, Trifolium repens 5692.

art ofter processor of the screen of the s wilt, solar radiation, soil temperature, effects on, Gossypium barbadense, Gossypium hirsutum, yield 8606. Gossypium hirsutum, yield 8606.

Fusarium roseum,
crown rot, Medicago sativa, USA, Utah 9322,
infection, Medicago sativa, uSA, Utah 9322,
infection, Medicago sativa, relationship sulfur deficiency 7658,
root rot, Triticum aestivum, USA, Colorado, USA, Wyoming 6776,
stem rot, Pseudotsuga menziessii seedlings 5875.

Fusarium sembusinum,
root rot, Leguminoseae 5611.
Fusarium semitectum,
cellulose biodegradation, association, carbohydrates composition 3767.
extracts, dieback induction, Pinus 2313.
infection, Oryza sativa 1192.

Fusarium solani,
arrigitycerol-B-syringaresinol ethers biodegradation, mechanisms, lignin
arrigitycerol-B-syringaresinol ethers biodegradation, mechanisms, lignin arylglycerol-β-syringaresinol ethers biodegradation, mechanisms, lignin models 6651. arygryceroi-p-synngaresinot etners biologifaciation, mechanisms, lightin models 66st. mays, deoxynivalenol detection, gas chromatography 7615. cellulose biodegradation, association, carbohydrates composition 3767. crown rot, Medicago sativa, USA, Utah 5922. crzymes, use, oxidation, syringaresinol 4730. extracts, dieback induction, Pinus 2313. footrot, Gosspipum hirsutrum seedlings, new records, India 7695. infection, Crotalaria juncea, symptoms, pathology 1280. metabolism, medicarpin, mackicain 3779. post-harvest decay, cartilatioupes, control, use, benomyl+guazatine 6835. post-harvest decay, disease control, fungicides, cantaloupes 1399. root rot, Cyamopais tetragonolos 65f6 root rot, Leguminosea 5681 stem zot, leatspot, Diffenbachia maculata 1268. tomatine resistance, heritability, pathogenicity, lycopersicon esculentum fruits, association, sterol composition 7743. tomatine resistance, infection, pathogenicity, Pisum sativum, Lycopersicon ot not, fungicides disease control, Lycopersicon esculentum Solanum melon;
6872.
ot not, suppression, ectomycorrhizas, Pseudotsuga menziesii 4144.
t, hypocotyks, Pinus lambertiana 4160.
ted-borne diseases, Pisum sativum, detection 6732.
fluralin biodegradation 8446.
tl, Cucumis melo, symptoms 2214.
tl, interaction, Erwinia carotovora, black leg, effects on, Solanum tuberosum 1251.
strum oxysporum f.sp.apli,
sllows, Apium graveolens var dulce, factors affecting 5748.
arium oxysporum f.sp.capse,
perimental infection, effects on, yield, Allium cepa 2191.

Subject Index Galactonate dehydratase, (continued)
purification, characterization, Pseudomonas 6437. Fusarium solani, (continued) esculentum, fruits 6741. wilt, interaction, Erwinia carotovora, black leg, effects on, Solanum tuberosum Galactose, fermentation, lactic acid bacteria + Streptococcus thermophilus, cheese production 1251. wilt. Pisum 329 Pachysolen tannophilus, ethanol fermentation 146.

Rechysolen tannophilus, ethanol fermentation 146.

Relactose dehydrogenase, purification, characterization, Pseudomonas fluorescens 4608. Fusarium solani f.sp.pisi, cutnase inhibition, benomyl 1414. cutnase, penetration, pesticides (organophosphorus) inhibition, Pisum sativum 2279.
interaction, Pisum sativum protection, cutinase inhibition, association, organophosphorus 500.
interaction stem rot, Rhizoctonia solani, Pisum sativum 9328.
Fusarlum sulphureum,
disease resistance, Solanum tuberosum 5810.
wilt, interaction, Erwinia carotovora, black ieg, effects on, Solanum tuberosum 1251 Galactose oxidase, Fusarium graminearum, purification, affinity chromatography, characterization 7364
Gibberella tijlkuroi, purfication. characterization 1858. purification, characterization, Dactylium dendroides 4607. use, Fusarium graminearum galactose assays 8160.

Galactose-binding protein, ligands binding, Eschenchia coli 2734. purification, characterization, penplasmic space, Escherichia coli 6374. galactose-p-phosphate uridylythransferase, purification, characterization. Saccharomyoss cerevisiae 4655.

D-Galactose-p-phosphate islomerase, purification, characterization, Staphylococcus aureus 4653. 7364 Fusarium theobromae, crown rot, Musa sapientum, pathogenicity 395. Crown for, must a aprentum, partrogenium; 939.

Fusarium tricinctum,
crown rot, Medicago sativa, USA, Utah 9322.

T-2 toxin biosynthesis, radioactive labelling 6705.

T-2 toxin, enzyme-linked immunosorbent assay 4891. usarium udum, competition, suppression, antagonism, soil pH, soil temperature, fungicides, herbicides, soil moisture 5694, population dynamics, sawdust soil amendment effects on 3252, spore germination, antifungal activity, fruits extracts, Diospyros cordifolia 8785. purification, characterization, characterizatio Fusarium udum. β-D-Galactosidase, active sites, β-D-galactosylamines detection, Escherichia coli 8250. or 100...
wilt, disease resistance, screening, Cajanus cajan 1367.
wilt, disease transmession, Isoptera, Cajanus cajan 2967.
Fuelciadium effusum,
Cladosporium caryigenum scab, inoculation time effects on pathogenesis 5736.
intection, Carya illinoensis scab, factors affecting disease spread 1202. activity, Saccharomyces cerevisiae, measuring techniques 3622.

Bacillus circulans, immobilized enzymes, activity, physicochemical properties 5315
biosynthesis, characterization, yeasts 950.
Candida pseudotropicalis production, whey utilization 8307.
Escherichia coli, use, labelling, enzyme immunoassay, S-100 protein measuring techniques, cerebrospinal fluid, man 857.
fungi, lactose hydrolysis, skim milk yoquir production 7569.
immobilization, polyacryiamide gels 9176.
immobilized enzymes, Lactobacillus bulgaricus, activity preservation 7394.
immobilized enzymes, use egg shells carriers 9138.
Kluyveromyces lactis, biosynthesis mduction 6556.
Kluyveromyces lactis, biosynthesis mduction 6556.
Kluyveromyces marxianus, purification, characterization 9161.
lactose hydrolysis, whey 8471.
polyelectrolyties complex effects on kinetics, Escherichia coli 8256.
purification, characterization, penplasmic space, Rhizobium trifolii 5499. infection, Carya illinoensis social, resources 3383.

Fusicla ecid, antibacterial activity, Staphylococcus aureus 3383.

antibiotic resistance, Escherichia coli plasmids genetic control, role, chloramphenicol acetytransferase 9649, drug resistance, role, Escherichia coli chloramphenicol acetytransferase 7907.

Fusitorm rust,
Cronartium querouum f.sp.fusiforme, disease resistance, genotype-environment interactions, Pirius taeda 6908.

Cronartium querouum, susceptibility, Pinus 6924.
pinus, disease resistance 4148.

Fusion, Fusion, Escherichia coli lacZ gene, promoters, terminators, rifampicin effects on gene polyelectrolytes complex effects on kinetics, Eschendria doli t3295, purification, characterization, perplasmic space, Phizobolium trifolii 5499, purification, characterization, repnoema phagedenis 7410. purification methodology, Escherichia coli 7325, purification, methodology, Saccharomyces anamensis immobilization 901, purification, substrate specificity, Aspergillus niger 8252. release, yeasts, solubilization methodology 103. Streptococcus lactis, mutants, starter cultures, Cheddar cheese, organoleptic evaluation 9269. expression 1626. protoplasts, hybrids, Candida albicans, nystatin resistance 658. Fusobacterium, antibacterial activity, moxalactam 5270. antibacterial activity, moxalactam 52/0. clinical isolates, incubation, anaerobic environments 2680. compound U-57930E aritibacterial activity 4379. B-lactamase detection methodology 9037. media (culture), nutrient requirements 5415. niridazole antibacterial activity 4328. role, infection, antibiotic sensitivity testing, drug sensitivity testing, man 725. evaluation 19269.
substrate specificity, Escherichia coli 6493.
Vibrio cholerae, activity, rifampicin antibiotic resistance 6018.
Galactosyl ficaprenyl diphosphate,
synthetic intermediates, antigen O polysaccharides biosynthesis, Salmonella
anatum UDPgalactose 4-epimerase deficient mutant 7440. 725.

**Rosbacterium necrophorum, cattle liver abscesses isolates, antibiotic sensitivity testing 7121. isolation, characterization, abscesses, pigs carcasses 5619. propachlor metabolism, 2-mercapto-N-isopropylacetanilide production 8385. survival, swabs transport system, temperature association 6334.

**Fusobacterium nucleatum, antibacterial activity, Streptococcus mutans bacteriocins 8025. clinical isolates, incubation, anaerobic environments 2680. B-D-Galactosylamines, detection B-D-galactosidase active sites, Escherichia coli 8250. Galactosylgiycarol phosphate, linkage peptidoglycans, structure, Bacillus coagulans 5532. Galega, infection, Rhizobium, DNA homology, phage typing, nodulation, taxonomic significance 8696.
Gallate decarboxylase,
Citrobacter, gallic acid, pyrogallol production 3731.
Gallic acid, Gesumannomyces, stemilization, methodology, seeds, Triticum 5846.

Gesumannomyces graminis, peracetic acid, Graminese 1394.
foot rot, artifurgal activity, peracetic acid, inoculation, methodology 3949.
take-all, disease control, Pseudomonas seed in inoculation, methodology 3949.
take-all, disease control, use, Pseudomonas, Triticum aestivum 4090.
take-all, effects on Triticum yield 371.
take-all, shading, effects on Graminese senescence 3956.
Gesumannomyces graminis fa, averase, infection, Agrostis palustris, pathology 5713.
Gaeumannomyces graminis fa, britici, lake-all, suppression, ameba, mycophagy, crop fields 5920.
Gesumannomyces graminis var.tritici, growth, interaction bacteria antagonists, clays effects on 4199.
Leptomyxidal yisis, phagocytosis, soil 563.
perithecia, production, methodology 2721.
soil, crops effects on survival 3954.
suppression, soil, effects on phytopathogenic fungi infection, Avena 3205.
suppression, soil, effects on phytopathogenic fungi infection, Gramineae 3207.
take-all, agricultural practices, effects on incidence, Triticum aestivum 9361.
take-all, chiesase control, benomyl, carbendazim, Triticum aestivum 507.
take-all, tradimenol seed treatments, Triticum aestivum 5067.
take-all, triticum aestivum 2186.
Gelactorium oli activity amenium fertilizer applications effects on 1331.
Fedelactorium aestivum 2018.
Fedelactorium selficum servicum fertilizer applications effects on 1331.
Fedelactorium selficum servicum seasonum selficum aestivum secharia 8504.
Galactorium selficum servicum selficum selfic biodegradation, soil microorganisms, bacteria 7563. catabolism, Pseudomonas testosteroni, 2-oyrone-4,6-dicarboxylic acid biosynthes 1849 Citrobacter, gallate decarboxylase, pyrogallol production 3731. Galltonella, identification, isolation, drinking water 9818. Galltonella ferruginea, contamination, wells 3483. Galls. Entorrhiza casparyana, Juncus articulatus 9403. isolation, Agrobacterium tumefaciens, Vitis vinifera, pathogenicity 5744. Bhizosphora dieback+canker 1454 Ganglia, trigeminal nerve, mice, herpes simplex virus infection, 9-(2-hydroxyethoxymethyl)guanine treatment effects on reactivation 7107. Gangrene, Phoma exigua var.foreata, epidemiology, Solanum tuberosum 6827. phoma exigua var.foreata, potatoes, fungicides treatment 4055. Phoma exigua var.foveata, pathogenesis, Solanum tuberosum 9446. Ganoderma, Ganoderma, infection, trees, wind barriers, distribution 4175.

Ganoderma applanatum, infection, 7-hydroxycalamenene detection association response 6844, post-harvest decay, Hevea brasiliensis cellulose, lignins, Malaysia 7791.

Ganoderma japonicum, glucans, antitumour activity, mice 7453. Ganoderma Jucidum, glycans, isolation, purification, characterization 6580. Garcinia kola, fruits, extracts, kolanone, antimicrobial activity 1588. Calactokinase,
purification, characterization, Mycobacterium 5498.
purification, characterization, Saccharomyces cerevisiae 6420. Gardinerella vaginalis, antibacterial activity, cephradine 8836, media (isolation), clinical microbiology 9030, metronidazole, antibacterial activity 3331.

Gas chromatography, amino sugars, sugars, cell walls, bacteria 9877. analyzers, production, wine, musts, vinegar 9234.

purification, characterization, Neurospora crassa 1950. **Galactomate dehydratase**,

purification, characterization, Klebsiella pneumoniae 6439.

Gas chromatography, (continued)
biodegradation, glycols, industrial pollution, microorganisms, measuring
techniques 5577.

detection, deoxynivalenol, Fusarium solani, association, Zea mays 7615. detection, deoxynivalenol, Fusarium solani, association, Zea mays 7615. detection, mannose, arabinitol, diagnosis, candidasis 9993. Endomycopsis lipolytica, detection 2-oximino acids 1843. Escherichia coli, detection methodology, muramic acid, diaminopimelic acid, alarine enantiomers ratio 7240.

Gram-negative bacteria lipopolysaccharides pryolysis, association, differentiation 4490.

differentiation 4490. identification, bacteria, food contamination 236. indole-3-acetic acid, mycorrhizas 8171. measuring techniques, carbon dioxide gas production, fungi, decomposition, wood, Fagus sylvatica 9530. methodology, infection, Escherichia coli, Klebsiella, unnary tract infection 9929.

muramic acid, indicators biomass, bacteria, sediments, estuaries 9027. phenylacetic acid, production, Bacteroides melaninogenicus subsp.intermedius 5482.

5482.
Streptococcus faecalis fatty acids, use, capillary column 5429.
Streptococcus identification, computer applications 2672.
urine volatiles, bacterema diagnosis, man 6315.
use, characterization, differentiation, Gremmeniella abietina, races 4531. yeasts, hydrocarbons, methodology 7271

yeass, hydroarbors, methodology 72/1.

Gae exchange,
Alnus rubra nodules, nitrogen-fixing bacteria, measuring techniques 1496.

Gae production,

association, cheese maturation 237.
bacteria, association, growth, kinetics, mathematical models 9873.
bacteria, wetwood, Ulmus americana 2323.
Clostridium botulinum, relationship toxins production 2960.

Clostridium botulinum, relationship toxins production 2960. detection, identification. Enterobactenaceae 6311. fungi, yogurt, identification 4840. hydrocarbons, anaerobic conditions, soil microorganisms, soil types 9567. hydrogen, Enterobacteriaceae, formate conversion 4708. hydrogen, Triffolium repens, nodulation, Rhizobium trifolii 3245. methane, microorganisms, animal wastes fermentation, antibiotics effects on 1039. Gasellquid chromatography, identification, Clostridium difficile 840. Gases, fermentation equipment 9825.

assays, fermentation equipment 9825.
Coal, wastewater treatment, filters, anaerobic microorganisms 8952.
environments, crop residues fermentation, Aspergillus oryzae, Trichoderma reesei, environments, crop resouds reimentation, Asperginus oryzae, Inc.
Streptomyces, reviews 4723.
fluidized beds, growth, Saccharomyces cerevisiae 6353.
formaldehyde, sterilization methodology 8801.
solubility, media (culture), microorganisms, reviews 6082.
soloilage, storage, Lactobacillus, spoilage, frankfurters, pork 5639.
asteromycefes,

ectomycorrhizas, evolution, reproductive strategy 9535. Gastritis,

mushroom poisoning, Omphalotus oleanus, man 7582.

Gastroentertils, bacteria sisolates, antibiotic sensitivity testing, drug sensitivity testing 2521.
Escherichia coli, isolation methodology effects on, pathogenicity 177.
food posioning, Campylobacter fetus subsp.jejuni, man 2040,
man, food consumption, oysters, Norwalk agent food poisoning 1072.
man, Norwalk agent, infection, association swimming, epidemiology 1709.
man, Norwalk agent, water-borne diseases, drinking water 2633.
Castrointeethual tract,
anaerobic bacteria, decontamination, use, antibiotics, man, in vitro 8812.
clinical isolates, norfloxacin antibacterial activity 2455.
immune response, Candida utilis single-cell protein, feeding trials, pigs 2929.
Caviluracia:

Gaylussacis, Monitinia infection 4012.

Monilina infection 4012.

Gaylusaccia baccata,
Monilinia polycodii infection 4012.

Gel chromatography,
Conynebacterium diphtheriae toxins, purification 8514.

detection, aflatoxin B1, feeds 2067.
detection, aflatoxin B1, milk 5642.

Gel efectrophoreals,
nucleic acids, potato spindle tuber viroid, extraction methodology 8101.
proteins, Erwinia, strains 3582.

gurification, enterotoxins, Escherichia coli 290.

Gel filtration,
methodology, efficacy, disinfectants antiviral activity 9694.
papilloma virus (bovine) purification 1747.

hydrolysis, proteinase, Aspergillus sojae, carbon sources, nitrogen sources 8309

hydrolysis, proteinated, consider a consideration of the consideration o

celis 7344.

cellulose, Acetobacter aceti subsp.xylinum, crystallinity 8328.

+cold storage, preservation, plants pathogene 2888.

comparison, Pseudomonas extracellular polysaccharides 980.

immobilization, Saccharomyces cerevisiae, β-D-fructofuranosidase activity,
methodology 4532.

polyacrylatel, use, Penicillium funiculosum callulase recovery, separation
techniques, association, glucose 8313.

polyacrylamide, β-D-qalactosidase immobilization 9176.

polymerization, immobilized cells, immobilized parymes 9008.

stannous fluoride, dental caries prophylaxis, man 8987.

istantious license, vertilar carbon prophysical international infectivity 9370.

DNA clones, nucleotide sequence role, Nicotiana benthamiana infectivity 9370.

plant diseases, tropical environment 4921.

ene amplification,

bacteria, temperature jump studies, use, microwave oven 9892 Gene distribution,

Streptomyces, antibiotics biosynthesis 1594.

Gene expression,

cZ gene, fusion, promoters, terminators, rifampicin effects on Escherichia coli 1626.

rabies virus glycoproteins analogs, Escherichia coli 8046.

Gene frequency, virulence, Puccinia graminis f.sp.tritici, stem rust, Erysiphe graminis

Gene mapping,
complementation genetic analysis, melanins deficient mutant, association
Gossypium wit, Verticillium dahlae 6796,
pyrroline-5-carboxylate reductase, protein biosynthesis, purification,
Escherichia coli 1830

Essimonella typhimurum, genetic analysis, methodology, reviews 9052. Staphylococcus aureus, protopiasts fusion, computer applications 4508. Streptomyces venezuelae, chloramphenicol biosynthesis 4388. Gene products,

Gene products, dnaA gene, DNA-binding protein, purification, Eschenchia coli 1844. Gene regulation, tox1 locus, phytotoxins biosynthesis, Cochliobolus heterostrophus 2953. Gene transfer,

ente transter, antibiotic resistance, Escherichia coli, enterotoxins plasmids 3299, plants, Ti plasmid, Agrobacterium tumerlaciens infection 4922, plasmids, drug resistance, trimethoprim, Enterobacteriaceae 3298, toxims, Escherichia coli, phages conjugation, toxicity, laboratory animals 315-domestic animals 3315.

Genes.

andicidin, biosynthesis, cloning, Streptomyces 8032. antibiotic resistance, nutrition, cloning, Streptomyces vinaceus, Streptomyces

artituduc resistance, nutritudi, cioningi, streptomyces vinaceus, strepto coelicolor 1523. antibiotic resistance, Streptomyces azureus, Streptomyces erythraeus, Streptomyces vinaceus, Streptomyces fradiae, cloning 1521. Bacillus thunigiensis, 5-endotoxin 1107.

disease resistance, Avena sativa, virulence, Puccinia coronata 5035. disease resistance, Avena sativa, virulence, Puccinia coronata 5035. disease resistance, Hordeum vulgare, selection, virulence, Erysiphe graminis f.sp.hordei, powdery mildew 8550. disease resistance, identification, Oryza glaberrima, rice yellow mottle virus

infection 4968

infection 4964.
disease resistance, Lactuca sativa, downy mildew, Bremia lactucae 3126.
disease resistance, Oryza sativa, blight, Xanthomonas campestris 9459.
Ersysphe grammis f.sp. tritic infection disease resistance, Triticum aestivum,
cell walls chemical composition association 9476.
gene Gm, disease resistance, potato virus M, hybrids, Solanum gourlayi×
Solanum tuberosum 2247.

Scientiff tuberosum 2247, 70 gene, Nicotiana tabacum, role, disease resistance, association, tobacco mosaic virus coat protein 6848. Hordeum, ieaf rust disease resistance, histology 2265. Ht gene, zea mays, disease resistance, virulence, leaf blight, Exserohilum tuncicum 1370.

tuncicum 1370.

HN gene, Zea mays, disease resistance, leaf blight, Exseronillum turcicum 5710. matze dwarf mosaic virus disease resistance, levels, genetic analysis, plant breeding, Zea mays 4092.

Inf gene, association Klebsiella pneumoniae nitrogen fixation 1495. nitrogenase, transcription, Philzobium meliloti, nodulation, Medicago sativa 3228. Pa gene, Hordeum vulgare, rust, Puccinia horder 1349. pest resistance, disease control, tungro virus, Nephotettix virescens, Oryza satiropad delimentaria, aborate and proposed delimentaria.

phos gene relationship, phosphate-binding protein biosynthesis, Escherichia coli 4553.

polA gene, Escherichia coli amber mutant, characterization, enzymes isolation 7379.

7379.
regulation, Escherichia coli methionine biosynthesis, mutation effects on 7481.
RNA polymerase, rpoBC operon, Escherichia coli, rifampicin effects on transcription 1627.
rRNA 21S, yeasts mitochondria, erythromycin resistance 1526.
Rps6 gene, Glycine max, role, disease resistance, Phytophthora megasperma f.sp. glycinea, infection 2252.
Solumn tuberosum, disease resistance, potato virus X 3119.
tel gene, Escherichia coli plasmids, antibiotic resistance, association, cadmium

sensitivity 1536. tetrahydrofolate dehydrogenase, trimethoprim, drug resistance, Escherichia coli,

sensitivity 1536.

sensitivity 1

453

Genetic control

disease resistance, stem rust, Triticum aestivum 7731.
disease resistance, stem rust, Triticum turgidum 7728.
Hordeum vulgare disease resistance, Erysiphe graminis f.sp.hordei infection 6840.
menaquinone biosynthesis, bacteria, reviews 6628.
Nicotiana tabacum tumors morphology, Agrobacterium tumefaciens crown gall 7689.
plasmids, sintibiotic resistance, Escherichia coli 2394.
plasmids, tokins, production, Bacillus anthracis 2085.
poly(glutamic acid) biosynthesis, Bacillus subtilis 911.
Rhodopseudomonas capsulata nitrogenase activity 19.
Triticum aestivum disease resistance, leaf rust, computer applications, USA,
North Dakota 7730.

Genetic engineering.
Agrobacterum tumefaciens crown gall, plants 9318.
Agrobacterum tumefaciens, Ti plasmid, crown gall 5788.
Bacillus, production, enzymes, toxins 987.
bacteria, amino acids production, termentation 9117.

149

Genetic engineering, (continued)
bacteria, yeasts, plasmids, methodology 5364.
Escherichia coli, clirate synthase production 2786.
fermentation yeasts 3744.
foot-and-mouth disease vaccines production, reviews 8921. ientamiclin, (continued)
Pseudomonas aeruginosa antibiotic sensitivity testing 7068.
resistance, association, modification enzymatic, aminoglycoside antibiotics,
Pseudomonas aeruginosa, Enterobacteriaceae 640.
resistance, bacteria, septicemia, man 645.
resistance, gram-negative bacilli, antibiotic sensitivity testing, β-lactam
antibiotics 4342.
resistance, relationship, cations effects on protein H1 biosynthesis, Pseudomonas
aeruginosa envelopes 5158.
resistance, Staphylococcus aureus, aminoglycoside antibiotics susceptibility
2413. foot-and-mouth disease vaccines production, reviews microorganisms 9101.
microorganisms, ambibidics biosynthesis 7974.
microorganisms, fermentation, books 7276.
microorganisms, fermentation, reviews 6583.
microorganisms, products biosynthesis, books 8175.
role, bacteria ambibidics production 1601.
secretar biosynthesis, Escherichia coli 1970.
viruses, vaccines 3953.
viruses vaccines 3953 2413 resistance. Staphylococcus aureus, mechanisms 7026. resistance, Staphylococcus aureus nosocomial infection 649. resistance, Stephococcus raeais chincul isolates 6027. sensitivity, bacteria, urinary tract isolates 8813. Staphylococcus clinical isolates, susceptibility 3281. susceptibility enhancement, Staphylococcus aureus, role, N,N-dicyclohavylcarbodimide, nigericin 8854. ± vancomycin, ± rifampicin, antibiotic synergism, antibacterial activity, methicilin resistance Staphylococcus 7126. +vancomycin, antibiotic synergism, antibacterial activity, Staphylococcus 771. yeass, lemmetauth, best 2003. Genetic fectors, Brevibacterium ammoniagenes permeability mutants, inosinic acid biosynthesis enhancement 1847. disease resistance, host-pathogen interactions, plants 468. disease resistance, nost-parnogen interactions, plants 400.

Genetic variance,
Trificum aestivum disease resistance, cephalosporium gramineum 7747.

Geniatein (4-methyl ether),
biodegradation, Fusarum javanicum 3764.

Genotype-environment interactions,
Cronarium quercuum i.sp.fusiforme, fusiform rust, disease resistance, Pinus taeda 6908. Yersinia pestis antibiotic sensitivity testing 6110. Gentamicin C, antibacternal activity, synthesis 3416.
Gentianella amarella,
mycorhizas, nutrient status, seasonal variations 1490.
Geographical distribution, downy mildew, Sclerospora graminicola, pathogenicity, cultivars, Pennisetum americanum 6755 artichoke latent virus characterization, ultrastructure, plant diseases 315.

Phymatothchum omnivorum, limiting factors, soil characteristics, environmental requirements 9557. Genotypes, host plants, effects on urediniospores, Puccinia arachidis inoculation, Arachis hypogaea 5683.

hypogaea 5683.

sum sativum, Phizobium leguminosarum nodulation nitrogen fixation association Geotrichum, S951.

sum sativum, Phizobium leguminosarum nodulation nitrogen fixation association Geotrichum, cellulase, kinetics 4586.

solitulase, kinetics 4586.

solitulase, kinetics 4586.

food contamination, canned products, counting methods 4776.

fungal flora, Fagus grandfola bark 1438. Spiroplasma citri, brittle root, epidemiology, Armoracia rusticana 3059. screening, disease resistance, rust, Dactylis glomerata 6856. Trifolium incarnatum, Rhizobium trifolii strains nodulation, relationship Geotrichum asteroides, triacylglycerol lipase pi nitrogen fixation 7847 Gentamicin, introgen fixation 7847.

introgen fixation 7847.

introgen fixation 7847.

tampcillin, ± cefathiamidine, antibacterial activity, Streptococcus faecalis, Streptococcus, antibacterial activity, bacteria clinical isolates, media analysis 7074.

antibacterial activity, bacteria clinical isolates, media analysis 7074.

antibacterial activity, Pseudomonas aeruginosa 1624.

antibacterial activity, Salmonella strains 8815.

antibacterial activity, Salmonella strains 8815.

antibacterial activity, Staphylicococus, clinical isolates 8804.

antibiotic resistance, Enterobacteriaceae, Pseudomonas 2393.

antibiotic resistance, Pseudomonas aeruginosa 7023.

antibiotic resistance, Pseudomonas aeruginosa, Flactam antibiotic resistance, Pseudomonas aeruginosa, Flactam antibiotics antibiotic resistance, Pseudomonas aeruginosa, Flactam antibiotics antibiotic resistance, Staphylicococus aureus 6019.

antibiotic resistance, Staphylicococus aureus, corrugate plasmids analysis 8738.

antibiotic resistance, Staphylicococus aureus, corrugate plasmids analysis 8738.

antibiotic resistance, Staphylicococus aureus, Eire hospitals isolates, plasmids role 7032. tracytglycerol lipase purification 7341.

Geotrichum candidum,

Inacytglycerol lipase purification 7341.

Geotrichum candidum,

Inacytglycerol lipase, purification 7341.

Geotrichum candidum,

Inacytglycerol lipase, and lipase, and lipase, and lipase, and lipase, lanesenula anomala, mixed culture, protein biosynthesis, whiskey candiduction, lactors affecting, susceptibility, sour rot 2146, ethyl acetoacetate reduction, ethyl 3-hydroxybutyrate production 7466, +Penicillium digitatum, infection synergism, citrus 440.

post-harvest decay, cantaloupes, control, use, benomyl+guazatine 6835, post-harvest decay, disease control, fungicides, cantaloupes 1399, single-cell protein, production, distilleries, industrial effluents, nutritive value, feeding trais, rats 8489, sour rot, lemons, post-harvest decay, disease control, CGA-64251 1322, tracytglycerol lipase, carbon sources, effects on, biosynthesis 102, triacytglycerol lipase, carbon sources, effects on, biosynthesis 102.

Ceotrichum lactis, exo-1,3-β-D-glucanase, self-association 44. purification 7341. Geranio, metabolism, Pseudomonas putida, role, plasmid pSRQ50 6842. Geranoyl-CoA carboxylase, purification, characterization, Pseudomonas citronellolis 8234. Geranylgeranyl pyrophosphate synthetase, punication, characterization, Bacillus subtilis 1916. amuolouc resistance, Staphylococcus aureus, Eire nospitale solates, piasmids role 7032. antibiotic resistance, virulence, natural selection, Pseudomonas aeruginosa 6012. antibiotic sestivity testing, Campylobacter fetus subsp.jejuni, clinical isolates 6099. Geriatrics,
man, Salmonella dublin infection, association cow's milk drinking 5616. Gerlachia nivalis, Gertacnia nivalia, seed-borne diseases, pathology, Triticum aestivum, seedilings 3937.

German Dem. Rep., surface water contamination, viruses 3477.

Germanic acid, effects on glucose fructose equilibrium, Arthrobacter xylose isomerase immobilized enzyme use, feeds syrusp production 4864. interaction, glucose, fructose, relationship, D-glucose isomerase, Arthrobacter antibiotic sensitivity testing methodology comparison, gram-negative bacilli antibiotic sensitivity testing, Pseudomonas aeruginosa 1600. antibiotic sensitivity testing, Pseudomonas aeruginosa, methodology comparison antibiotic synergism, azlocillin, Pseudomonas aeruginosa 8849 antibiotic synergism, azlocillin, Psaudomonas aeruginosa 8849. antibiotic synergism, carbencillin, piperacillin, antibacterial activity, Pseudomonas aeruginosa 755. bactericidal activity, pharmacokinetics, in vitro 4386. binding, filters, membrane filtration, enzymes inactivation 5258. binassays 4385. Campylobacter fettus subsp., jejuni drug sensitivity testing 4292. carbenicillin, antibiotic synergism, antiviral activity, Pseudomonas aeruginosa 7128. Germany, Fed. Rep., sewers, concrete walls corrosion, Thiobacıllus enumeration 7537. soil, keratinophilic fungi, incidence 3185. water supplies, bacteria levels 1716. Germicides. disinfection, hand, man 816. drug sensitivity testing, methodology, bacteria 5192. hospitals disinfection 9821. Germination, ermination,
Bacillus cereus spores, heat resistance, association, diarrhea, emetics, food contamination, man 193.
condia, Meria conicopora, fixation, potassium permangonate use 4519.
inhibition, Cuscuta seeds, bacteria activity 8577.
Phytophthora, forests soil effects on 1483.
pollen, Beta vulgaris, beet mosaic virus, beet yellows virus infection effects on 2163. 7128 1126 eoffizoxime, antibiotic synergism, antibacterial activity, gram-negative bacteria soldetas 2533 etception soldetas 2533 etc. 2534 etc +chloramphenicol, removal Mycoplasma contamination, viruses culture collections Pythium splendens suppression, pasture soil 9551. Sclerotinia minor, sclerotia, soil pH, Arachis hypogaea leaves volatiles effects on 4937 on 4937.

Sclerolium roifsii scierotia, factors affecting, soil 9570.
seeds, exudates, carbon sources, bacteria soil 551.
seeds, exudates, carbon sources, bacteria soil 551.
seeds, Blycine max, Cercospora kikuchi effects on 4939.
seeds, Zea mays, Gossypium hirsutum, Triticum aestivum, Azotobacter chroococcu stimulation 3194.
spores, fungi, rhizosphere, Cajanus cajan, Lathyrus sativus 558.
spores, Puccinia melanocephala leaf rust pathogenesis 5716.
Triticum aestivum seeds, fungi infection 8600.

Triticum aestivum seeds, tuligi intection of the Compiler of Compi

Gentamicin, (continued)

production 6107.
monoclonal antibodies, fluorescence immunoassays 9763.

± moxalactam, bactericidal activity, antibiotic synergism, Pseudomonas aeruginosa 2530.
pharmacolkinetics, bactericidal activity, Escherichia coli, in vitro 4387.

downy midew resistance, Zea mays, population genetics 8626.
Helianthus annuus, screeining, disease resistance, rust, Puccinia helianthi 4064.
Lycopersicon aseculentum, tobacco mosaic virus infection 2184.
Pennisetum americanum cultivars, susceptibility, mazze dwarf mosaic virus 9360.
plants breeding, disease control, viruses, crops 2242.
plants, viruses infection, seed-borne diseases, surveys 2092.
plants, viruses infection, seed-borne diseases, surveys 2092.
plants, viruses infection, seed-borne diseases, surveys 2092.
plants, viruses infection, seed-borne diseases 5588
reaction, Virgan unguiculata, infectious diseases 5588
reaction, Virgan unguiculata, infectious diseases 5588
reaction, Virgan unguiculata, infection, Pyricularia grisea 7665.
Zea mays, leaf blight incidence 2131.
Zea mays, leaf blight incidence 5131.
Zea mays, leaf blight incidence 5132.
Zea mays leaf blight incidence 5132.
Zea mays, leaf blight incidence 5132.
Zea mays, leaf blight incidence 5132.
Zea mays, leaf blight incidence 5132.
Z

biosynthesis inhibitors, inhibition abscisic acid biosynthesis, Cercospora

Diosynthesis inflinitude, minuteri auscisio and investments, cerebonariosional 3646.
foliar applications effects on seeds microflora, Glycine max 5671.
Flusarium production 7491.
like compounds, Cylindrocarpon destructans biosynthesis, relationships, pathogenicity, Abies alba 4174.
synthesis, Gibberella fujikuroi, use, steviol 5558.

effects on, Graphium penicillioides, biosynthesis, pectate lyase, pectin lyase 5515.

effects on Melampsora larici-populina growth, leaves culture, Populus 6880.

Cilycine max, soil temperature effects on 2332. **Sigaspora margarita**,

-ferfilization, effects on Juniperus chinensis var.sargentii 4134.

fungicides, effects on, Phlyctochytrium, Rhizidiomycopsis, parasitism 5200.

identification, use, enzyme-linked immunosorbent assay 7273.

mycornhizas, hydroponics culture, Trifolium repene 2716.

symbiosis, Trifolium repens, potassium permanganate effects on 8671.

vesicular-arbuscular mycornhizas, Lolium perenne, carbon sources competition 564.

vesicular-arbuscular mycornhizas, phosphate uptake, seedlings, trees 9503. **Sigaspora reticulate ap.nov.**isolation, USA, Rhode Island, USA, Massachusetts, characterization 4187. **Sinoliva.**

Isolation, Ger., Singiva, Isolation, Ger., Man, bacteremia, povidone-iodine treatment 815

man, bacteremia, poviocine truine de singlytités, association, oral hygiene, fluoride applications, children 8076. children, prevention 6282 dental hygiene, dental floss, man 8985. man, anibacterial activity, 1,4-bis(3-(n-hexylcarbamylguanidine)propyl]piperazine dimethanesulfonate 813.

infection, bean yeilow mosaic virus, clover yellow vein virus 3075. susceptibility, cucumber mosaic virus 2171. Uromyces transversalis rust, Brazil, new records 2203. witt, Fusarium oxysporum f.sp.gladioli, symptoms, chemical control 3995.

With, Fusarium oxysporum f.sp.gladolii, symptoms, chemical control 3995.

Iless,
with, Fusarium oxysporum f.sp.gladolii, symptoms, chemical control 3995.

Iless,
surfaces, bacteria deposition, mathematical models 9884.
surfaces, bacteria removal 4456.

Iless beade,
solid phase methods, enzyme-linked immunosorbent assay, rotavirus (human)
detection 5370.

Ileditals triscanthos,
canker, pathogenesis 1460.
Nectria cinnabarina canker, association roots pruning 9525.
pathology, canker, Nectria cinnabarina 2314.

Illding bacteria,
N-acylaminosulfonates, purification methodology 4509.

Illociadium,
invasion, Trifolium repens 5692.

Illociadium,
illociadium,
illociadium roseum,

invasion, Trifolium repens 5692.

illicoLadium roseum,
apples, post-harvest decay, pathogenesis, amino acids, levels 1324.
soil, herbicides effects on 8707.

illicoLadium virens,
gliovrinr, othe, biological control, Pythium ultimum 5831.
gliovrin, structure 1648.
illicoLadium zaleakil,
phytotoxins purification, characterization 2083.
illicovirin,
Gliocdadium virens, role, biological control, Pythium ultimum 5831.
structure 1648.

Gliochadium virens, role, unaugical content, yanaman structure 1648.

(lobomycln, treatment, association, Escherichia coll, β-lactamase precursors bioaccumulation 7350.

(loeocercespora sorghl, immobilized cells, cyanide hydratase, cyanide detoxification 9982.

loeodes pomigena, sooty blotch, orchards, Malus 6874.

Gloeophyllum trabeum,

cell walls, chitin, colorimetry, methodology 8157. wood decay assays, pick tesi 4182, wood decay, Chamaecyparis nootkatensis 3177. Gloeosporium these-sinensis, anthracnose. Camella sinensis 4014.

Gloeotrichia natans,

nitrogen fixation, Oryza sativa, USSR 7846.

Glomereita, mycosponns, structure 3728. pathogenicity, fruit rot, Lycopersicon esculentum 1301. Glomereita cinguiata, ascospores, disease spread, epidemiology, Malus domestica 8570. bitter rot, pathogenicity, Malus pumila 9377. Colletotrichum coffeanum infection association, Coffea arabica, pathogenesis 9770.

9379.
dieback, canker, susceptibility, Camellia reticulata, pathology 2190.
fruit rot, Malus pumia 1215.
fruit rot symptom, Prunus persica 5735.
latent infection, Capsicum annuum, role, phytoalexins 4070.
pectinase, fruit rot, Lycopersicon esculentum 5797.
rot, Capsicum frutescens, association, iron 3999.
Glomerella cingulate var.-minor,
anthracnose, Persea grattisima, disease control, prochloraz 6833.

anthracnose, Persea grattisiina, uiseasee santiina association, Populus, incidence, USA, lows 5851.
association, Populus, incidence, USA, lows 5851.
chlamydospores, antisera production 6965.
effects on, Sophora secundiflora, seedlings growth, phosphorus uptake 583.
effects on, Sophora secundiflora, seedlings growth, phosphorus uptake 583.
effects on, Sophora secundiflora, seedlings growth, phosphorus uptake 583.
effects on, Sophora secundification 2532.
interspecific relationships, competition, mycorrhizas, Zea mays, Allium 5894.
pathogenicity, fertilizers induction, association liquidambar styraciflua 6971.
symbiosis Allium cepa, growth association 1949.
vesicular-arbuscular mycormizas, phosphate uptake, seedlings, trees 9503.

Popular addressetum,

Glomus aggregatum,
vesicular-arbuscular mycorrhizas, Pinus banksiana, Agropyron trachycaulum,
petroleum sand 5916.
Glomus caledonlum,
interspecific relationships, competition, mycorrhizas, Zea mays, Allium 5894.

Glomus caledonius, growth, in vitro 6945.

growth, in vitro 3945.
spore germination, amino acids stimulation 4189.
vesicular-arbuscular mycorrhizas, role, growth, nutrient uptake, Medicago sativa+Rhizobium meliloti nodulation, phosphorus fertilizers effects on 6943. Glomus claroideum,

pathogenicity, fertilizers induction, association liquidambar styraciflua 6971. Glomus clarum, interspecific relationships, competition, mycorrhizas, Zea mays, Allium 5894.

Glomus ciarus, pathogenicity, fertilizers induction, association liquidambar styraciflua 6971. Glomus epigeeum, spore germination, Poncirus trifoliata× Citrus sinensis roots exudates effects on 1477. sportings, Malus, effects on growth 5097. Glomus epigeous, endomycorrhizas, colonization, growth, phosphorus nutnent availability effects on, Malus pumila, Allium porrum, Tagetes patulus 9543. endomycorrhizas, nutrient uptake, nutrient availability, phosphorus, Malus pumila, Allium porrum, Tagetes patulus 9544. vesicular-arbuscular mycorrhizas, growth levels, roots, stimulation growth 9560. Glomus etunicatus, Glomus clarus,

vesicular-arouscular mycormizas, growin levels, roots, simulation growin 9: Glomus etunicatus, inoculation, Trifolium repens 2348. pathogenicity, fertilizers induction, association liquidambar styraciflua 6971. stimulation, phosphorus uptake, drought tolerance, Allium cepa 4200. + Trifolium repens, effects on yield 2330. Glomus faciculatus,

Glomus faciculatus, symbiosis, ornithogalum umbellatum, cell walls structure 6357.
Glomus fasciculatum, alkaline phosphatase, acid phosphatase, roots, Arachis hypogaea 6947.
Glomus fasciculatus, effects on protein composition, nitrogen levels, Arachis hypogaea 6949.
endomycorrhizas, phosphorus nutrient availability, roots levels, carbohdyrates, Trifolium subterraneum 9576.
fungicides, effects on, Phlyctochytrium, Rhizidiomycopsis, parasitism 5200.
growth, Lycopersicon esculentum, roots exudates, ozone pollution effects 7811.
interaction, Streptomyces cinnamomeous, effects on, Eleusine caracana, growth
2341.

mycorrhizas, nutrient status, nitrogen, phosphorus, Bouteloua gracilis 1485. pathogenicity, fertilizers induction, association liquidambar styraciflua 6971. phosphate fertilizers uptake, growth, Lolium rigidum, Trifolium subterraneum

9547.

**Philizobium phaseoli, symbiosis, nitrogen fixation, phosphorus uptake, Phaseolus vulgaris 1502.

**role, Allium copa nutrient uptake, association, soil salinity 7804, stimulation heavy metals uptake, Ehrharta calycina, acid rain 7805. symbiosis Allium copa, growth association 9549. symbiosis, Sorghum vulgare, light effects on 2331, symbiosis, Vits vinifera, relationship, hyphae structure, biochemical characteristics 4183.

vesicular-arbuscular mycorrhizas formation, Chrysanthemum norifolium buds development effects on 4197.

vesicular-arbuscular mycorrhizas inoculation, effect on Capsicum annuum growth, yield 4227.

Glomus geosporum, interaction, Glycine max, ozone, acid rain, effects on 8674. interspecific relationships, competition, mycorrhizas, Zea mays, Allium 5894.

Glomus interactions

Glomus intaradices,

lar-arbuscular mycorrhizas, Citrus jambhiri, effects on water uptake 4135.

Vesticular-arroscular inyocimizas, citus jamini, citatoria (Glorius monosporum, endomycorriizas, colonization, growth, phosphorus nutrient availability effects on, Malus punilia, Allium porrum, Tagetes patulus 9543, endomycorriizas, nutrient utpatake, nutrient availability, phosphorus, Malus punilia, Allium porrum, Tagetes patulus 9544.

Glomus monosporus, interaction, Glomus tenuis, symbiosis, vesicular-arbuscular mycorrhizas 6944.

Glomus monosporus, (continued)
role Allium cepa nutrient uptake, association, soil saliinity 7804.
Glomus mossese, biomass, association, roots, Vicia faba 553.
endomycorrhizas, Zea mays, effects on minerals uptake 4190.
+fertilization, effects on uniperus chinensis var.sargentii 4134.
± Frankia, effects on nitrogen fixation, Casuarina equisettilolia 215.
identification, use, enzyme-linked immunosorbent assay 7273.
infection monitoring, chitin, mannans, levels, Allium cepa 3170.
inoculation, effects on Glycine max nitrogen fixation 4184.
inoculation, Infolium repens 2548.
interspecific relationships, competition, mycorrhizas, Zea mays, Allium 5894.
spores, Vicia faba, crop fields 3186.
symbiosis, Hedysarum coronarium, growth, Italy 6975.
symbiosis, Lactuca sativa, nitrate, priosphate, effects on 5903.
symbiosis, vesiculiar-arbuscular mycorrhizas, carbon uptake 1471,
symbiosis, Zea mays, nitrate soil amendment, foliar applications, effects on Gluconobacter suboxydans, (continued) glutamine synthase, purification, characterization 5526. Gluconolactore, binding exo-1,4-α-D-glucosidase, Rhizopus 6484 Glucoronide, sulfate, biosynthesis, association, aromatic compounds oxidation, Cunninghamella elegans 2391. elegans 2391.

Glucose assimilation, Puccinia graminis 2388.
assimilation, Puccinia graminis 2388.
assimilation, Puccinia graminis 2388.
association, β-D-glucosidase suppression, Streptomyces venezuelae, chloramphenicol biosynthesis 2550.
binding exo1, 4-α-D-glucosidase, Phizopus 6484.
biosynthesis, cellulose fermentation, Tinchoderma reesei, Saccharomyces cerevisiae, β-D-glucosidase, ethanol effects on 4705.
biosynthesis, starch fermentation, bacteria α-amylase use 4699.
Candida wickerhami fermentation 7533.
concentrations effects on fermentation products, bacteria 4551.
conversion, Zymomonas mobilis, hydrocarbons production 4261.
2,4-D biodegradation association, incroorganisms 9266.
effects on Pelliculians filamentosa, hydroxylation, steroids 6564.
effects on, Zymomonas mobilis, sucrose, hydrolysis 6654.
fermentation, nailyzers, yeasts, methodology 456.
fermentation, analyzers, yeasts, methodology 456. 4204 42.04

+ Trifolium repens, effects on yield 2330.
vesicular-arbuscular mycorrhizas, growth levels, roots, stimulation growth, Vigna
unguiculata 9560.

Glomus tenuls, interaction, Glomus monosporus, symbiosis, vesicular-arbuscular mycorrhizas 6944 symbiosis Allium cepa, growth association 9549. Glossina pallidipes, biological control, pathogenicity, mortality, Bacillus thuringiensis 984 fermentation, Eschenchia coli, heat production association, measuring techniques B-D-Glucan. fermentation, Saccharomyces cerevisiae immobilized cells, ethanol biosynthesis Dictyophora indusiata, conformation, antiinflammatory agents 6569. Rhizobium meliloti, charactenzation 9193 Streptococcus, isolation, charactenzation 9190. 137.

fermentation, 2-keto-L-guionic acid production, Erwinia, corynebacterium 928.
fructose, germanic acid effects on equilibrium, Arthrobacter xylose isomerase
immobilized enzyme use, feeds syrupp production 4864.
Gramineae, effects on Drechslera sorokiniana infection 3938.
hydrogen, production, immobilized cells, Ciostridium butyricum 1976.
induction Kluyveromycos lactis β-D-galactosidase biosynthesis 6556.
inhibition cellulose, Clostridium thermocellum 1886.
inhibition (sevansucrase activity, Zymmomas mobilis 8270.
interaction, germanic acid, relationship, D-glucose isomerase, Arthrobacter 1936.
metabolism, calorimetry, measuring techniques, Vibrio alginolyticus 1772.
metabolism, meconomanisms, feediigi patterns affects on 6247. Streptococcus, isolation, characterization 9190.

Streptococcus, isolation, characterization 9190.

Streptococcus, isolation, characterization 9190.

Bernacellular, Rhizobium melilotii, isolation, characterization 6576.

Trichoderma viride, purification 6538.

Trichoderma viride, purification 6538.

Trichoderma viride, purification 6538.

Trichoderma viride, purification 1638.

Trichoderma viride, purif metabolism, microorganisms, feeding patterns effects on 6247.
+ molasses, carbon sources, Saccharomyces cerevisiae production 3806.
nitrate, effects on, Pachysolen tannophilus, fermentation 7534.
oxidation, Pseudomonas solanacearum, Penicillium, tannins soil amendment effec effects on ethanol fermentation, Bacillus macerans 1993.

Glucanase,
lysis, microorganisms 1917.

B-Glucanase,
effects on ethanol fermentation, Bacillus 1993.
localization, Clavicops purpurea infected, Sicale, pathogenesis 3917.
1-3-B-Glucanase,
fungi biosynthesis 1929.
1-4-B-Glucanase,
fungi biosynthesis 1929.

Glucanase,
Gluca on 593 Penicillium funiculosum, recovery, cellulose hydrolysis 7335.

production, cellulase wastes conversion, bioreactors, Trichoderma viride enzymatic activity 9172. enzymatic activity 9172.
production, cotton wastes, fung cellulolytic enzymes 6653.
production, immobilized enzymes, a-amylase, exo-1,4-a-D-glucosidase,
Aspergilius awamori var.kawachi 8305.
separation techniques, association, Penicillium funiculosum cellulase, recovery,
use, poly(acrylate) gels 8313.
stimulation, Streptomyces fradase, tylosin, production, batch culture 4425.
stimulation, 2,4-D biodegradation, bacteria, soil 7809.
substrates, concentration, relationship ethanol inhibition, Saccharomyces
cerevisiae, Saccharomyces bayanus 2870.
transport, Toe phospheonolpyruvate-glucose phosphotransferase, bacteria 6411.
transport, Saccharomyces cerevisiae, ethanol effects on 1518.
uptake, Arthrobacter sialophilius, cytochalasins effects on 1553.
utilitzation, Saccharomycopsis lipolytica, association, citric acid biosynthesis
6396. fungi biosynthesis 1szs.

Glucans, biosynthesis, Schizophyllum commune protoplasts 1955. cell walls, yeasts, reviews 1953.
Dictyophora indusiata, antitumour activity, mice 7453.
Dictyophora indusiata, antitumour activity, mice 7453.
porduction, role, Streptococcus mutans 1,3a-glucosyltransferase 4890.
production, Streptococcus mutans, stannous fluoride effects on 8771. nical modification, Alcaligenes faecalis, antitumor activity, mice 7448 1,2-β-D-Glucans, Rhizobium, structure 6582. utilization, Zymomonas mobilis ultrastructure relationship, ethanol, carbon Rhizoburus, structure 6582.

Clucokinase,
characterization, sugars metabolism, Zymomonas mobilis 105.
purification, characterization, Streptococcus mutans 6419.
purification, kinetics, Streptococcus mutans 2774.
Zymomonas mobilis, purification, characterization 959.

Cluconate dehydratase,
purification, characterization, Clostridium pasteurianum 6431.

Gluconate of thydratese,
purification, characterization, Gluconobacter oxydans subsp.suboxydans 4626.

Cluconate acid,
biosynthesis, Gluconobacter oxydans immobilized cells, glucose metabolism
kinetics 5467.

Fermentation, Gluconobacter oxydans, in vitro 8213.
formation, fermentation, citric acid, Aspergillus niger 1842.

Gluconinycin,
inhibition pyrimidines biosynthesis, imidazole acetyltransferase, Bacillus
subtilis 8014.

Cluconobacter, utilization, zymomonas mobilis utirastructure relationship, ethanol, carbon dioxide production 5567. Vaccinium, effects on mycorrhizas formation 6970. Glucose dehydrogenase, phospholipids, irtion X-100 activation, reduction ubiquinone, cytoplasmic membranes, Pseudomonas fluorescens 955. proteolysis, Bacillus megaterum 8273. purification, characterization, cytoplasmic membranes, Pseudomonas fluorescens proteolysis. purification, characterization, Gluconobacter oxydans subsp.suboxydans 4606 Glucose metabolism, effects on Streptomyces noursei, nystatin biosynthesis 6176, kinetics, Gluconobacter oxydans immobilized cells, gluconic acid biosynthesis 5467 5467.

role, Cephalosporium acremonium penicillin N conversion, association, cephalosporin C 8002.

Glucose oxidase,
Aspergillus niger, immobilized enzymes, heat inactivation 43. use, food processing, Aspergillus niger 3860.

use, measuring techniques, Basidiomycetes 8-D-glucosidase activity 8163.

Glucose-1-phosphate deanylytransferase,
Rhodospirillum rubrum, purification, characterization 26.

Glucose-5-phosphate dehydrogenase,
Leuconostoc mesenteroides, yeasts, kinetics, mathematical models 6489.

NADP* recycling, Esoherichia coli, immobilized cells 4672.

purification, characterization, Bacillus subtilis 4635.

purification, cye-liquand chromatography, Leuconostoc mesenteroides 4617. Submis 601/4. **(Bluconobacter,**antibiotic 315 biosynthesis, antibacterial activity 2570.
biosynthesis polyene antibiotics, screening 2571. **(Gluconobacter oxydans,**+ Chiorella pyrenoidosa, immobilized cells, glycerol conversion dihydroxyacetone)
2864. 2050.

gluconic acid fermentation, in vitro 8213.
growth, 2.4-dinitrophenol, effects on 6054.
immobilization methodology 8127.
Gluconobacter oxydans subsp.industrius,
cytoplasmic membranes, D-fructiose 5-dehydrogenase, purification, characterization purification, dye-ligand chromatography, Leuconostoc mesenteroides 4617.

Glucosephosphate isomerase,
inactivation, potassium thiocyanate, potassium bromide, Streptomyces
phaeochromogenus 6512. Gluconobacter oxydans subsp.melanogenes, cytoplasmic membranes, ketogluconate dehydrogenase, purification, characterization 4609. phaeochromogenus 6512.

PD-Giucosidase, activity, hin-layer chromatography, bioassays, use, Penicillium expansum 7270. ac-D-Glucosidase, activity 9168. biosynthesis, Bacillus firmus, biosynthesis, activity 9168. biosynthesis, Bacillus firmus, biosynthesis, biosynthesis, carbohydrates, fungi, bacteria 7431.

β-Glucosidase, activity, Aclaigenes faecalis immobilized cells 4585. activity, stemphylium loti, detection, azo dyes 2713. hydrolysis, cellobiose, salicin, Trichoderma, immobilized cells 3791. Gluconobacter oxydans subsp.oxydans, immobilized cells, glucose metabolism kinetics, gluconic acid biosynthesis 5467. Gluconobacter oxydans subsp.suboxydans, cytoplasmic membranes, L-idifol dehydrogenase, purification, characterization 4603

β-Glucosidase, (continued) localization, Claviceps purpurea infected, Sicale, pathogenesis 3917, production, continuous culture, Aspergillus phoenicis 3672.

localization, Claviceps purpurea infected, Sicale, pathogenesis 3917. production, continuous culture, Aspergillus phoenicis 3672.

3-D-Glucoelidase, activity, soil microorganisms 7812. activity, Sicreptomyces flavogriseus, comparison, Streptomyces, strains 8290. Basidiomyceles, activity, measuring techniques, use, glucose oxidase 8163. boo-ynthesis, Blakeselae trispora fermentation, cellobiose media (culture) 104. coffects or glucose biosynthesis, cellulose fermentation, Trichoderma reeser, Sacchard Grand (Control of the Control of the Cont

biosynthesis 2560.

biosynthesis 2560
Talaromyces emersonii, biological properties 31.
Trichoderma koningii, purification, characterization 2767.
Trichoderma resesi, purification, characterization 2767.
Trichoderma resesi, purification, characterization 9146.
Glucosyl-4, 4-diapocarotene-4-oate, biosynthesis pathways, Pseudomonas rhodos mutants 4568.
Glucosyltransferase, multiple forms, isolation, characterization, Streptococcus mutans 7411.
Streptococcus mutans, production, continuous culture 972.
1,3a-Glucosyltransferase,
Streptococcus mutans, detection, role, glucans production 4690.
Glucuronans,

Streptococcus initiation, and a street of the control of the contr

inhibitors, Mycobacterium tuberculosis, purification, characterization 8260. Glume blotch, Septoria nodorum, association Sitodiplosis mosellana, triticum 1187. Septoria nodorum, disease resistance, plant breeding, Triticum aestivum 3123. Septoria nodorum, latert infection, Triticum aestivum 6752. Septoria nodorum, pathogenicity, Triticum aestivum, Hordeum vulgare 3021. Septoria nodorum, symptoms, Triticum aestivum 3950. Septoria nodorum, Triticum aestivum, disease control, crop rotation, seed treatments 9466.

Glutamate decarboxylase

γ-aminobutyric acid formation, mechanisms, stereospecifity, Escherichia coli

5053.
Sescherichia coli, immobilized enzymes, preparation, characterization 1855.
purification, kinetics, Escherichia coli 5346.
Glutamate dehydrogenase (NADP*), activity, Cenococum graniforme, purification, nitrogen uptake 6464.
kinetics, ammonium, rubildum activation, Neurospora crassa 4620.

L-Glutamate oxidase, purification, characterization, Streptomyces violascens 7371.

Glutamate synthase, role, ammonia semination, association, nitrogen fixation, Leguminosae 5939.

Glutamate synthase (NADPH), chemical modification, phenylglyoxal, pyridoxal 5'-phosphate, binding NADP, a-ketoglutaric acid, Escherichia coll 5488.

Glutamic acid, biosynthesis, Corynebacterium glutamicum immobilized cells 16. biosynthesis, Streptomyces 6388.

fermentation, Corynebacterium, growth association, relationship, carbon dioxide production 6381.

nitrogen sources. Glucoschade series.

trogen sources, Gluconobacter suboxydans, glutamine synthase characterization 5526.

production. Arthrobacter globiformis, nutrient requirements 4569.

Glutamin-(asparagin-)ase,
crystallography, Pseudomonas, Acinetobacter 7399.

Glutaminase,
kinetics, substrate specificity, mechanisms, Acinetobacter glutaminasificans
6543.

Saccharomyces cerevisiae, kinetics 1867. lutamine synthase, Gluconobacter suboxydans, purification, characterization 5526.

Gluconobacter suboxydans, purification, characterization 5526.

Glutamine synthetase,
Chlorobium vibrioforme, adenylylation 7319.
inactivation, benzyl viologen, Azotobacter chrocococum 1868.
isoenzymes, purification, characterization, Rhizobium phaseoli 6467.
kinetics, cations effects on, Micrococcus glutamicus 6511.
purification, physicochemical properties, Methylococcus capsulatus 6400.
radioactive labelling, Rhodopseudomonas capsulata 3693.
Rhizobium phaseoli, introgen fixation, nodules, Phaseolus vulgaris 6965.
g-Glutamylcysteine synthetaes,
chemical modification effects on kinetics, Proteus mirabilis 944.
Proteus mirabilis, purifaction, characterization 1915.
g-Glutamylgiutamic socid,
purification, Lanthius edodes 914.
g-Glutamylicotlanine,
purification, Lanthius edodes 914.
Glutamylicotlanine,
purification, Lenthius edodes 914.

purification, Lentinus edodes 914. **Glutaraldehyde,**Bacillus subtilis spores resistance 5177.

disinfectants aerosols, airborne microorganisms 5346. disinfection, endoscopes 5338. disinfection, hospitals 9821. sanitizers, stanifity, medical equipment 5227.

based disinfectants evaluation, dialysis systems, antibacterial activity, Mycobacterium 7207

derivatives, inhibition lactoyl-glutathione lyase, yeasts 84, production, immobilized cells, Escherichia coli 118.

Glutathione oxidase,

purification, characterization, Penicillium 4621

Outraction, casa accercation, resonant and control of c

Pseudomonas aeruginosa 9175. photoaffinity labelling, yeasts 6500

photosaminy taxening, years, full fall for the first of t

Glycans, Ganoderma lucidum, isolation, purification, characterization 6580.

Glyceollin

Glyceollin, biosynthesis, glyphosate effects on, Phytophthora megasperma f.sp.glycinea infection, Glycine max, disease resistance 501. Glycaridehyde-phosphate dehydrogenase, arginine residues, 2,3-butanedione chemical modification, effects on physicochemical properties, kinetics, Saccharomyces cerevisiae 7352. immobilized enzymes, subunits association kinetics, yeasts 4693. NAD binding, Bacillus stearothermophilus 6475. purfication, characterization, Thermus thermophilus 4640. purflication, characterization, themset 4639. structure, X-ray crystallography, Bacillus coagulans 72. substrate structure, Saccharomyces cerevisiae, binding antibodies, rabbits 7332. Glycarate dehydrogenase.

Glycerate dehydrogenase, purification, characterization, Pseudomonas 4641.

assays, association, detection, biomass methodology, ground water sediments

assays, association, detection, biomass methodology, ground w microorganisms 4466. biosynthesis, Saccharomyces cerevisiae immobilized cells 127. biosynthesis, Saccharomyces cerevisiae immobilized cells 127. biosynthesis, sugars fermentation, yeasts 7525. conversion dihydroxyacetone, immobilized cells, Chlorella pyrenoidosa+Gluconobacter oxydans 2856. media, Acetobacter acetigenum cellulose biosynthesis 111. stabilization subtilism, Bacillus subtilis 5503. Glycerol dehydratase, kinetics, thermodynamics, Klebsiella pneumoniae 7387. Glycerol dehydrogenase, biosynthesis, Celluomonas 107. purification, characterization, Cellulomonas 77. Glycerol kinase,

Glycerol kinase, assays, Sireptomyces coelicolor 7310, assays, Sireptomyces coelicolor 7310, purification, Bacillus stearothermophilus 8266.
Glycerol monocagneta, ascherichia coli outer membranes, succinate dehydrogenase antibactorial activity, Escherichia coli outer membranes, succinate dehydrogenase

+hexametaphosphate, antibacterial activity, outer membranes, Escherichia coli

4291.

(Glycerophosphate scyttransferase, purification, characterization, Escherichia coli 8229. reconstitution, phospholipids vesicles, kinetics, N.M.R. 3703.

(Glycerophosphate phosphatidyfransferase, purification, characterization, Escherichia coli 8230.

(Glycerophospholipid-cholesterol acytransferase, subsitate specificity, Aeromonas salimonicida 1884. Glycine.

association, enhancement, Bacillus amyloliquefaciens, a-amylase, production 8296

food preservatives 271. Glycine max,

aggluu. 1371. ns relationship, disease resistance, Phytophthora megasperma var.sojae

1371.
L2-aminozoy-3-phenylpropionic acid, inhibition, phytoalexins, effects on, disease resistance, Phytophthora megasperma f.sp.glycinea 3907.
anthracnose, Colletorichum truncatum, effects on, yelid 1137.
Arachis hypogaea, cowpea mottle virus transmission, Bernisia tabaci vectors 4946. bean pod mottle virus, Ceratoma trifurcata vectors, detection, enzyme-linked immunosorbent assay 300-for, seed-borne diseases, epidemiology 2984. blight, Pseudomonas glycinea, identification, biochemical characteristics 2991. blight, Pseudomonas glycinea, identification, biochemical characteristics 2991. blight, Pseudomonas glycinea, relationship, coronatine biosymthesis 2990. blight, Sclerotinia minor, Sclerotinia esiderofiorum 1132. brown spot, Septonia glycines, temperature, dew, effects on, pathogenesis 2105. Colletorichum truncatum anthracnose, Phomopsis stem blight, herbicides stimulation fruits 5821. cowpea mild mottle virus infection, symptoms, Bernisia tabaci transmission 1129.

aumulation mults 5821, cowpea mild motile drus infection, symptoms, Bemisia tabaci transmission 1129, cultivars, host range, Rhizobium japonicum, nodulation 7841, cultivars, plant breeding, disease resistance, stem rot, Phialophora gregata 5040.

5040. cultivars, susceptibility, infection, Phytophthora megasperma f.sp.glycinea 6739. damping-off, relationship, Pythium ultimum inoculum density 348. disease control, benomy floiar applications, metham fumigation 5060. disease control, Phytophthora megasperma f.sp.glycinea, seed treatments, metalaxyl, Dowco 444 8644. disease resistance, Sclerotinia selection infection 1359.

disease resistance, Scientotina scientotorum infection 1359. disease resistance, screening, witi, Fusarium oxysporum infection 1372. disease resistance, soybeen mosaic virus, strains 6839. disease resistance, stem rot, measuring techniques 6869. diseases identification, computer applications, USA, Illinois 4942. foliar application, fungicides 7749. fungi infection, nitrogen fixation, nodulation, metham fumigation inhibition 3261.

3251. tungi plant diseases, seed treatments, fungicides, reviews 4132. tungicides seed treatments effects on 5844. growth stage, effects on phyllosphere distribution, Actinomyces, yeasts 6946. Heterodera glycines infection, Nematophthora gynophila parasites incidence 2848. hydroponics, factors affecting, Phytophthora megasperma var. sojae, infection 349. hypocotyls, faccase, infection, Phytophthora megasperma f.sp.glycinea 3916. infection, races, Phytophthora megasperma f.sp.glycinea 1145.

soybean crinkle leaf virus infection, disease transmission vectors, Bemisia tabaci 5672. ilycine max, (continued) inheritance, peanut mottle virus, soybean mosaic virus 9463, inheration, Glomus geosporum, ozone, acid rain, effects on 8674, isolation, characterization, cowpea mild mottle virus, Ivory Coast 2115, leafspot, Corynebacterium flaccumfaciens 932, leafspot, Corynebacterium flaccumfaciens 932, leaves, aggiturinia, disease resistance, Pseudomonas glycinea 3128, leaves, peroxidase activity, downy mildew, Peronospora manshurica 346, leaves, Phythophthora medisactivity, downy mildew, Peronospora manshurica 346, metalaxyl, Phytophthora megasperma f.sp, glycinea, root rot, stalik rot 1420, natural sele-ction, disease resistance, Phytophthora megasperma 330, nitrogen fixation analysis, isotopes methodology 5131 Glycine max, (continued) Giveine max. (continued) soybean crinkle leaf virus infection, disease transmission vectors, Bemisla tabaci 5672.

soybean mosaic virus, effects on, nitrogen balance, nitrogen fixation 8533. soybean mosaic virus, enhancement, bean pod mottle virus, infection 8541. soybean mosaic virus infection, civiliance virus, enhancement, bean pod mottle virus, infection 8541. soybean mosaic virus infection, disease resistance 7733. stem canker, Diaporthe phaseoliorum var.caulivora, epidemics 9327. stem canker, Diaporthe phaseoliorum var.caulivora, epidemics 9327. stem canker, Diaporthe phomopsis, virulence 3925. stems, Macrophomina phaseolina saprophagy, herbicides effects on 2380, symbiosis, Rhizobium japonicum, nodulation, photosynthesis, nitrogen cycle 8701. symbiosis Rhizobium japonicum, notsi temperature effects on 6940. Itssue culture, Agrobacterium tumefaciens binding, crown gall 2977. USA, Phialophora gregata isolates, pathogenicity 4932. Verticilium nigrascoars incidence 9321. versicular-arbuscular mycorrhizas, soli temperature effects on 2332. virulence, Phytophthora megasperma 1.sp. glycinea races, USA, Wisconsin 1130. web blight, Rhizobium; aponicum et 980. virulence, Phytophthora megasperma 1.sp. glycinea races, USA, Wisconsin 1130. web blight, Rhizobium; aponicum et 980. virulence, phytophthora megasperma 1.sp. glycinea races, USA, Wisconsin 1130. vield, nodulation, Rhizobium; aponicum et 980. virulence 1982. virulence 1982. virulence 1983. virulence 1984. virulence 1983. virulence 1983. virulence 1983. virulence 1984. virulence 1985. virulence 1984. virulence 1984. virulence 1984. virulence 1985. virulence 1985. virulence 1985. virulence 1985. virulence 1985. virulence 1985. virulence 19 nitrogen fixation 2383 introgen fixation analysis, isotopes methodology 5131 introgen fixation analysis, isotopes methodology 5131 introgen fixation analysis, isotopes methodology 5131 introgen fixation. Glomus mosseae moculation effects on 4184 introgen fixation interaction carbon dioxide fixation 4236 introgen fixation measuring techniques, field thatis 5962 introgen fixation, introgen 51,5 measuring techniques, field thatis 5961 introgen fixation, induser separation, water stress effects on 1499 introgen fixation felabonship photosynthesis, seeds yield 6984 introgen fixation, Rhizobium japonicum, carbon dioxide enrichment effects on 4494 introduced fixation felabonship photosynthesis, seeds yield 6984. vield, competition, comparison soybean material methode in the competition of the competi Glycine soja, last-growing Rhizobium japonicum, nitrogen fixation, nodulation 4249. Rhizobium, nodulation 3230. bybean mosaic virus, effects on, nitrogen balance, nitrogen fixation 8533. ndustrial pollution, biodegradation, measuring techniques 5577. accumulation, ethylene effects on cell walls, Colletotrichum lagenarium infection, Cucumis melo 3981. infection, Cucumis melo 3981.
analogs, rabies vrius, gene expression. Escherichia coli 8046.
antibotic A35512B, structure, N.M.R., Streptomyces candidus 8027.
biosynthesis, tunicamycin, effects on, herpes simplex virus 1 4312.
(E)-5-(2-bromovinyl)-2-deoxyundine, inhibition, herpesvirus (bovine) 1, glycosylaton 6079.
defense mechanisms, Nicotiana glutinosa, viruses infection, poly(I)-poly(C)+cyclic AMP+cyclic GMP, activation 3136.
envelopes, infectious anemia virus, isolation, lectins affinity chromatography photosynthesis, carbon sources, energy budget, utilization, Rhizobium, nitrogen fixation 9603. photosynthesis, yield, nitrogen fixation, Rhizobium japonicum mutants 9579. phytoalexins accumulation association Pseudomonas syringae, N-phophonomethyl photospherical process of the proces glycine effects on 498. Phytophthora megasperma f.sp.glycinea, infection, disease resistance, phenotype 8097 Epstein-Barr virus, purification, cell culture 9105. high molecular weight, Candida guilliermondil cell walls, hydrocarbons effects on 7868. 7868. Lassa fever virus, Japanese encephalitis virus, detection, concanavalin A, methodology 3541. Nicotiana tabacum, purification, callus culture, agglutination, Phytophthora parasitica, Pseudomonas solanacearum 1351. Oligosaccharides, structure, Vesicular stomatitis virus, swainsonine, effects on 4314. 4-314.
Rauscher leukemia virus, antigenic determinants, molecular weight, monoclonal antibodies, precipitation, methodology 1748.
role, morphogenesis, infectivity, rotavirus (simian) SA11, funicamycin, effects on 4313 rotavirus (human), purification, characterization, cell culture 7300. Glycosaminephosphate isomerase (glutamine-forming), purification, characterization, Proteus mirabilis 7373. Glycosidase biosynthesis, psychrotrophic bacteria 5516. Glycosides, buds, disease resistance markers, Ustilago scitaminea smut, Saccharum officinale 3359. Glycosylation, erythronoide A, biosynthesis erythromycin A, Streptomyces erythraeus 6168 glycoproteins, (E)-5-(2-bromovinyi)-2-deoxyundine, inhibition, herpesvirus (bovine) 1 6079.

Glycozoline, ntibacterial activity, antifungal activity, Escherichia coli, Staphylococcus aureus, Candida albicans, Aspergillus niger 7961. Glyphosete, Glycoellin biosynthesis, Phytophthora megasperma f.sp.glycinea infection, Glycine max, disease resistance 501. resistance, Aerobacter aerogenes cell culture, Conydalis sempervirens tissue culture 8743. stimulation fruits, Colletotrichum truncatum, Phomopsis, anthracnose, stem blight, Glycine max 5821. effects on spores quantity, Rhynchosporium secalis infection, Hordeum 486. effects on spores quantity, Hnynchosporium secalis infection, Hordeum 486.

Gnomonia errabunda,
infection, association Phyliaphis fagi outbreaks, Fagus 3166.

Gnomonia leptostyla,
anthracrose, genetic analysis, selection, disease resistance, Juglans nigra 5874.

Gnomonia piatani,
bark necross, Platanus 6920. antibodies, visna virus, maedi virus, detection, enzyme-linked immunosorbent annoocies, visna virus, maedi virus, detection, enzyme-linked immunosorber assay 2651 carcasses, chlorine washing 6684. isolation, Staphylococcus, antibiotic resistance 8744. meat, frozen foods, contamination, Bacillus cereus, Staphylococcus aureus, Streptococcus 5606. milk, fermentation, starter cultures 9268. 5368
seeds, fungi, mycelia, penetration, pores 321.
seeds germination, Cercospora kiruchi effects on 4939.
seeds germination, Cercospora kiruchi effects on 4939.
seeds microflora, Azolobacter = foliar applications effects on 5671.
seeds, Phomopsis infection, relationship, weather, USA, Kentucky 6734.
seeds, Phomopsis infection, relationship, weather, USA, Kentucky 6734.
seeds, Symposia mosalc virus infection, detection, enzyme-linked immunosorbent
assay 343.
seeds stam, Cercospora kikuchii, new records, Pakistan 7662.
seeds, symptoms, relationship, seed-borne diseases, Diaporthe phaseolorum
var.acjae 1143.

Gold, biogeochemistry, bacteria, actinomycetes, fungi 7013. +protein A, cating, viruses antigens localization 1750. Gomphrena globosa, cactus virus X isolates characterization 5019. cymbidium ringspot virus cytopathology 4018. cymbidium ringspot virus cytopathology 4018. cytopathology, tomato bushy sturt virus 4034.

6993.

val.sojae i 1-35. Septoria glycines brown spot, lesions, relationship seeds color 5684. soil microorganisms association, propachlor effects on 7862. soil moisture, Glycine max, irrigation, Rhizobium japonicum, nitrogen fixation

```
Gomphrena globosa, (continued)
Datura metel plant extracts foliar application, antiviral activity, gomphrena virus 7771.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gram-negative bacilli, (continued)
cephalosporins antibacterial activity 8837.
clinical isolates, aminoglycoside antibiotics antibiotic resistance 8726.
drug resistance, relationship hospitals 8737.
      Virus ///1.
leaves, disease resistance, tomato bushy stunt virus 1378.
olive latent ringspot virus infection, ultrastructure 5780.
viruses infection, leaves, hypersensitive response 2156.
Gomphrena virus,
antiviral activity, Datura metel plant extracts, foliar application, Gomphrena
globosa 7771.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     gentamicin resistance, antibiotic sensitivity testing, B-lactam antibiotics
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     dentification, methodology 3586.
identification, potassium hydroxide, vancomycin, Gram stain reaction, methodology
9972
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     infection, commoxazole intravenous administration, in vitro antibacterial
                     diagnosis, Limulus lysate test, man 1776,
diagnosis, use enzyme-linked immunosorbent assay 1796.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   activity, man 6037. 
 \beta-lactam antibiotics+antineoplastic drugs synergism, antibacterial activity 3385.
      Goodyera repens,
roots, symbiosis, Rhizoctonia goodyerae-repentis, mycorrhizas 4201.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  β-lactam antibiotics+antineoplastic drugs synergism, antibacterial activity 3385.
piromidic acid antibacterial activity 1556.
trimethoprim drug resistance, epidemiology, genetic analysis 6001.
Gram-negative bacteria,
airbome microorganisms, poultry processing, association, chickens feces 1727.
antibacterial activity, β-lactam antibiotics, cephalosporins 6119.
antibacterial activity, attrieonam 6203.
antibacterial activity, attreonam 6801.
antibacterial activity, attreonam 6801.
antibacterial activity, attreonam 6803.
antibacterial activity, attreonam 6816.
antibacterial activity, cemenoxime, comparison, cephalosporins 6137.
antibacterial activity, cemenoxime, comparison, cephalosporins 6137.
antibacterial activity, cephalosporins 1606.
antibacterial activity, cephalosporins 4362.
antibacterial activity, cephalosporins, synthesis 8842.
antibacterial activity, comparison, cefuroxime, cefamandole, cefazoline, cefaloridine, cefalexime 8831.
antibacterial activity, morparison, cefuroxime, cefamandole, cefazoline, cefaloridine, cefalexime 8831.
antibacterial activity, movalactam 5269.
antibacterial activity, morparison, cefuroxime, cefamandole, cefazoline, cefaloridine, cefazoline, populativity, movalactam 5269.
antibacterial activity, poporborus containing, nitrogen containing, cations complex 791.
antibacterial activity, piperaciliin 9757.
antibacterial activity, piperaciliin 9757.
antibacterial activity, piperaciliin 9757.
Goodyera repena, roots, symbiosis, Rhizoctonia goodyerae-repentis, mycorrhizas 4201.
Goplana, host range, rust, Discorea 4013.
Goplana australia sp.nov, taxonomy, rust, host range, Discorea 4013.
Gossypium, defoliation relationship, Verticillium dahliae inoculum quantitation 9390. disease resistance, wilt, Verticillium dahliae, Fusarium oxysporum i.sp. vasiinfectum 4086. Rhizoctonia solani infection, antifungal activity, carboxin 4122. seed treatments, fungicides, damping-off, seed rot 1432. seed treatments, fungicides, damping-off, seed rort 1432. Seedilings, diseases, bacteria, fungi, disease control 2225. Verticillium dahliae, association melanins deficient mutant, complementation genetic analysis, gene mapping, Verticillium dahliae 6796.
Gossypium barbadense, cotyledons, susceptibility, Alternaria macrospora, infection, pathogenesis 9391. wilt, Fusarium oxysporum f.sp. vasiinfectum, dispersal, Israel 6817. yield, wilt, Fusarium oxysporum f.sp. vasiinfectum, oiaer radiation, soil temperature, effects on 8606.
Gossypium hirautum, cotyledons, membrane potential, relationship, ATP, blight, Xanthomonas campestrs pv.malvacearum 3055. crop residues, digestibility, sheep, rumen microorganisms, pretreatment, ozone, sodium hydroxide 5634.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 complex 7921.
antibacterial activity, piperacillin 9757.
antibacterial activity, Saccharopolyspora sacchorocin 8886.
antibacterial activity, temocillin, ampicillin 2552.
antibacterial activity, thiosemicarbazide satis, triphenyl-phosphonic arylhydrazone 7923.
antibacterial activity, undecyleneanilide, caprylanilide, derivatives 9665.
antibacterial activity, 2-{2-aminothiazol-4-yl}-2-sulfoacetyl caphalosporins 7991
                     sodium hydroxide 5533.

crop residues, digestblithy, sheep, rumen microorganisms, pretreatment, ozone, sodium hydroxide 5634.

diesase resistance, genetic analysis, blight, Xanthomonas malvacearum 2254.

Fusarium oxysporum f.sp. vasinfectum wilt, side-erfects, herbicides 3145.

Fusarium oxysporum f.sp. vasinfectum wilt-Meloidogyne incognita acrita infection, disease resistance 7732.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ambiacterial activity, 2-(2-aminothiazol-4-yl)-2-sulfoacetyl cephalosporins 7991 antibacterial activity, 3,6-dihydroxyindoxazene 6218. antibiotic antagonism, piperacillin-heotoperazone 387. antibiotic assistance, septicemia, man 645. antibiotic assistance, septicemia, man 645. antibiotic assistance, septicemia, man 646. antibiotic assistance, septicemia, man 646. antibiotic sensitivity testing 72-8. antibiotic sensitivity testing 72-8. antibiotic sensitivity testing 72-8. antibiotic sensitivity testing, use, liasers nephelometry automated methods 9737. antibiotic synergism, mecilinam-ampicilin, antibacterial activity 9758. antimicrobial activity, roots extracts, Agrimonia pilosa 8800. antimicrobial activity, roots extracts, Agrimonia pilosa 8800. autimicrobial activity, rote extracts, Agrimonia pilosa 8800. autimicrobial activity, rotes, describiotion, API test, blood culture 839. biochemical characteristics, identification, API test, blood culture 839. biodegradation, phenylureas, acid antilices 2898. cefotetan antibacterial activity, role penicillin-binding protein binding 4373. cell walts, sanguiritni effects on 8873. esphalesizin-flucioloxacillin antibacterial activity, idee effects, cost-benefit analysis, reviews 7143. clinical isolates, drugs sensitivity, osteomyelitis, man 6057. contamination, cream, pasteurization 8499. cotton contamination, endotoxins effects on respiratory function, man 1320. contamination, espociation, lipopolysaccharides prolysis, gas chromatography 4490. dust, pigs housing 7638.
                     disease resistance 7732. https://doi.org/10.1009/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/sesset/se
                     Hinductionia+root rot 4393.

Hizoplane, Azotobacter chrococccum growth 3195.
roots, crown gall, Agrobacterium radiobacter var.tumefaciens 1307.
roots exudates, stimulation spore germination, Fusarium oxysporum
1.sp.vasinfectum 8706.
                     risp. vasinecum oroc. seedlings, footrot, Fusarium solani, new records, India 7695. seedlings, soil-borne diseases, Pythium 1266. seeds, ammoniation, effects on cow's milk aflatoxin M1, cattle feeding regimes 2945.
                     2943.
Seeds, Fusarium oxysporum f.sp.vasinfectum wilt, pathogenesis 4991.
seeds germination, Azotobacter chrococccum stimulation 3194.
seeds, protection, fungli infection 5088.
Soil-borne diseases, biological control, shelfish wastes soil amendment stimulation chritinolytic bacteria 7789.
Verticillium dahliae infection, Rotylenchulus reniformis effects on disease
  Verticillium dahliae infection, Rotylenchulus reniformis effects on dise resistance 8612. 
virus-like particles, disease transmission, Bemisia tabaci 2199. 
with, phymatotrichum omnivorum, effects on, roots, water flow 4039. 
Xanthomonas campestris infection, leaves ultrastructure 417. 
Xanthomonas campestris infection, leaves ultrastructure 418, 
yield, wilt, Fusarium oxysporum f.s.p. vasinfectum, solar radiation, soil 
temperature, effects on 8606. 
Gougerotin, 
Streptomyces, plants growth inhibitors, characterization 8383. 
Grain.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4490.
dust, pigs housing 7638. endotoxins, contamination, cotton 5659. endotoxins, contamination, cotton 5659. endotoxins, cottonseed dust 5663. endotoxins, localization, cotton 4913. enterotoxins, in vitro, characterization 304. enumeration methodology, cosmetics 2679. food contamination, milk. Limulus lysate test use detection food quality 8484. gramicidin S, analogs, peptide synthesis, structure-activity relationships, antibacteria activity 9786. growth, luncheon meat, vacuum packaging, factors affecting 4878. Holothuroidea triterpene glycosides antimicrobial activity 2494. isolates, antibacterial activity, antibiotic synergism, ceftizoxime, gentamicin 2539.
                 irain, Citrinin detection, chromatography 7589. 
Citrinin detection, chromatography 7589. 
detoxification, ammonia, ochratoxin A 2063. 
dust, fungal flora, mycotoxins, grain elevators 7619. 
Hordeum vulgare, Tritcum aestivum, cytokinins levels, relationship, disease 
resistance, mildew, Erysiphe graminis 2249. 
quality, association, fungicides treatment, Tritcum aestivum rust 7667. 
stored products, fungi, degradation, malathion, Aspergillus glaucus 7557. 
Tilletia controversa spores contamination, Triticum aestivum 1329. 
use, alcohols fermentation, association, noncooking methodology 1045.
                 molds, nutritive value, chickens 3852. substrates, Fusarium graminearum, mycotoxins biosynthesis 8511.
  Gram.
Gram, contamination, aflatoxin B1 7616.

Gram negative bacillit, antibacterial activity, ceftizoxime 2528.

Gram stain, fecse, Clostridium difficile, colitis, diagnosis methodology 9940. reaction, potassium hydroxide, vancomycin, methodology, identification, gram-negative bacilliti, gram-positive bacilli 9972.

use, detection, microorganisms, children blood culture 8140.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            istamycin B derivatives, antibacterial activity 7055.
β-lactamase, antibacterial activity, cloxacillin+ampicillin,
cloxacillin+cephalosporins 1610.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cioxacillin + cephalosporins 1610.

8-lactamase, assays 5506.

8-lactamase, hydrolysis, cefotetan stability 4366.

8-lactamase, sucide inhibitors 2810.

lactic acid biosynthesis 8206.

leaf soorch, pathogenicity, Piatanus occidentalis 9515.

levels, waste disposal sites, composts 5292.

metals tolerance, association, soil poliution 6980.

Ineztiocillin, comparison, penicillins, antibacterial activity 6141.

mezicolilin + penicillins antibacterial activity synergism 7058.

microwave radiation sterilization, culture systems plastics 708.

Mixxococcus futius mixxocaleariji antibacterial activity 4412.
  use, detection, imcroorganisms, children bood culture 8140.

Gram-negative bacilli,
antibacterial activity 2541.
antibacterial activity, Selactam antibiotics 7983.
antibacterial activity, cefamandole, azthreonam, 7185.
antibacterial activity, ceftizoxime, meziocillin 6146.
antibacterial activity, ceftizoxime, antibiotic synergism, aminoglycoside
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          microwave radiation sterilization, culture systems plastics / U8. 
Myxococcus triuvus myxovalarigin antibacterial activity 4412. 
norfloxacin antibacterial activity 7453. 
novobiocin antibacterial activity 7057. 
pierce si desease, pathology Vitis vinifera 3058. 
plasmids, antibiotic resistance, trimethoprim, isolation, characterization 7872. 
scald, Prunus saliciana, isolation, pathogenicity, culture 1153. 
semisynthetic penicillins, antibacterial activity 746.
            antibactorial activity, centizoxime, annoince synergism, animogry antibiotose 2531.
antibactorial activity, macrolide antibiotics 8041.
antibacterial activity, macrolide antibiotics 8041.
antibacterial activity, N-formimidoyl thienamycin, +amilkacin 166 antibiotic sensitivity testing, cephalosporins 2449.
antibiotic sensitivity testing methodology comparison 6090.
antibiotic sensitivity testing, penicillins 8001.
bacteriuria isolates, man, norfloxacin antibacterial activity 7073.
                                                                                                                                                                                                                                                                                                                                               +amikacin 1660
```

Gramineae, (continued)
Drechslera sorokiniana infection, glucose effects on 3938.
ergot, epidemology 1151.
tood contamination, 4-deoxynivalenol 6687.
tootrot pathogens antagonism, Pseudocercosporella herpotrichoides, Fusarium,
Rhizoctonia cerealis 1148.
tungi plant diseases, seed treatments, fungicides, reviews 4132.
host range, downy middew, Peronosclerospora sorghi 5700.
host range, odwny middew, Peronosclerospora sorghi 5700.
host range, Peronosclerospora philippinensis, companson, Peronosclerospora sacchari 6753.
infection, Athelia fuciformis, Laetisaria fuciformis, Corticium fuciforme,
pathogenesis 3933.
infection, Laetisaria fuciformis, Limonomyces, symptoms 3014. Gram-negative bacteria, (continued) sorum bactericadi activity, reviews 4295. temocilin antibacterial activity 2550. temocilin antibacterial activity 2550. structure-activity relationships 1,2,3-triazolines antibacterial activity 4293. urinary tract infection, cinoxacin treatment, man, antibacterial activity, reviews 8762.
use, drug sensitivity testing, antimicrobial agents efficacy 9702.
Gram-negative cocci,
D-apiose reductase, purification, characterization 4631.
fermentation, identification, methodology 2707.
Gram-positive bacilli,
identification, potassium hydroxide, vancomycin, Gram stain reaction, methodology reviews 8762. infection, Athelia fuciformis, Laetisaria fuciformis, Corticium fuciformie, pathogenesis 3933.
infection, Laetisaria fuciformis, Limonomyces, symptoms 3014. leal rust, Puccinia, disease resistance histology 2264. Leguminosae, Rhizobium infection, effects on 2113.
maze dwarf mosac virus, plant viruses vectors, Schuzaphis graminum, disease transmission 5704.
maze strack virus, host range 6778.
mixed culture, Arachis hypogaea, nodulation, nitrogen fixation 4250. mixtures, incidence, endomycorfuizas, thizoplane microorganisms 569. mycotoxins contamination 5651.
mtogen-fixing bacteria activity, acetylene reduction 1497.
nitrogen-fixing bacteria, rhizosphere 9600.
pathogenesis: relationship Fusarium culmorum, zearalenone biosynthesis 8510. peracete acid, antifungal activity, foot rot, pathogens 1394.
phytopathogenic fungi infection, Gaeumannomyces graminis suppression, soll, effects on 3207.
plant breeding, disease resistance, fungi 2241.
plant diseases, fungi, disease control 5829.
post-harvest decay, food contamination, fungi 2236.
Puccina rust, reproduction, genetic variance 1160.
pythium infection, fungicades treatment 4114.
mabdovirus infection, 2118.
mazosphere, phosphatie-dissovirup bacteria 2333. 9972.

Gram-positive bacteria,
Actinomadura antibiotics, antagonism 1487.
Antibioterial activity, antibiotic M-92 3428.
antibiacterial activity, antibiotic MF722-02 3422.
antibiacterial activity, antibiotic OM-7653 7179.
antibiacterial activity, antibiotic OM-704 3432.
antibiacterial activity, antibiotic SD 26,917 8039.
antibiacterial activity, antibiotics SD 26,917 8039.
antibiacterial activity, artibiotics, biosynthesis, Streptomyces tendae 8878.
antibiacterial activity, cefotetan 4364.
antibiacterial activity, comparison, cefuroxime, cefamandole, cefazoline, 9972 antibacterial activity, ceriparison, certuroxime, cefarmandole, cefazoline, cefaloridine, cefalexine 8831.
antibacterial activity, moralexim 5276.
antibacterial activity, moxalexim 5276.
antibacterial activity, moxalexim 5276.
antibacterial activity, Oldiodendron truncatum antibiotic PR-1350 9773.
antibacterial activity, Oldiodendron truncatum antibiotic PR-1350 9773.
antibacterial activity, Oldiodendron truncatum antibiotic PR-1350 9773.
antibacterial activity, Sarcharopolyspora sacchorocin 8886.
antibacterial activity, Sarcharopolyspora sacchorocin 8886.
antibacterial activity, Sarbicin B, streptomyces biosynthesis 3440.
antibacterial activity, Sarbicin B, streptomyces biosynthesis 3440.
antibacterial activity, teichomycin 3437.
antibacterial activity, teichomycin 3437.
antibacterial activity, teichomycin 3437.
antibacterial activity, coffriaxone, disc-diffusion test 7998.
antibiotic esistance, haematoporphyrin derivatives effects on 3269.
antibiotic sensitivity, pectinatione 6910.
antimicrobial activity, full quatermary ammonium compounds 703.
antimicrobial activity, toestinatione 6910.
antimicrobial activity, pectinatione antibacterial activity comparison, cefuroxime, cefamandole, cefazoline, cefaloridine, cefalexine 8831. rhabdovrus infection 2118.
hrizosphere, phosphate-dissolving bacteria 2333.
rice yellow mottle virus host range 8555.
rust, disease spread, models 366.
rust, disease spread, monitoring, weather satellites 1166.
rust, disease spread, monitoring, weather satellites 1166.
rust, disease spread, monitoring, weather satellites 1166.
rust, Puocinia graminis subsp., graminicola, evolutionary genetics, ecology 3004.
senescence, Erysiphe graminis powdery mildew, shading, effects on 3956.
smut, Entyloma dactylidis, Entyloma brizae 2129.
susceptibility, infection, maize dwarf mosaic vurus, sugarcane mosaic virus, USA,
symbiosis, vesicular-arbuscular mycomhizas, colonization 5902.
hydrorass, biloth. Pythium, patholoxy 5714. Mississippi 8559, symbiosis, vesicular-arbuscular mycorrhizas, colonization 5902.
turfgrass, blight, Pythium, pathology 5714,
turuses spot, symptoms, vectors, biological properties 1163,
wheat dwarf virus infection 2120,
with bacteria infection, host specificity 359,
Xanthomonas campestris infection, distribution, Belgium 362,
yield, Flusarium infection effects on 7675.
Graminalla nigrifrons,
vectors, maize chlorotic dwarf virus, maize dwarf mosaic virus, pesticide
applications, soil, carbofuran 7738.
vectors, sex differences, maize chlorotic dwarf virus stunt, Zea mays 4971.
Veranda medium. Granada medium, use, identification, Streptococcus group B 9976. Granules, et dentification, Streptococcus group B 9976.

Granules, Fagus mycorrhizas, phosphorus levels, calcium levels 6973.

Granulosis virus,
Agrobs segetum, production methodology, biological control 8359.

biological control, Arrhoropoda, Malus 8355.

biological control, Cydia pomonella 8356.

biological control, Cydia pomonella 8356.

biological control Adoxophyes orana 8354.

biological control Cydia pomonella, field trials 8357.

biological control, Cydia pomonella, field trials 8357.

biological control, Cydia pomonella, field trials 8357.

biological control, Pieris rapae, Brassica oleracea, crop fields 6596.

biological control, Pieris rapae, Brassica oleracea, crop fields 6596.

biological control, Pieris rapae, Brassica oleracea, crop fields 6596.

biological control, Pieris rapae, Brassica oleracea, crop fields 6596.

biological control, Pieris rapae, Brassica oleracea, crop fields 6596.

biological control, Pieris rapae, Brassica oleracea, crop fields 6596.

biological control, production, mass rearing, larvae, Agrotis segetum 9211.

infection, Heliothis armigera confertus, rearing methodology 1738.

Grappfruiks.

Phomopsis citri post-harvest decay, fungicides disease control, USA, Texas 4049. 6036.
1,2,3-triazolines antibacterial activity 4293,
tylosin effects on macrolide antibiotics resistance, pigs isolates 5156.
Gram-positive cocci,
antibacterial activity, cefmetazole 2541.
antibacterial activity, ciprofloxacin 9681.
antibacterial activity, nalidixic acid, ciprofloxacin, norfloxacin, pipemidic acid 7924. antibacterial activity, piperacillin 9757. antibascterial activity, cettriaxone, disc-diffusion test 7998. clinical isolates, antibacterial activity, cefoxitin, tobramycin, comparison N-formimidoyl thienamycin 7076. Phomopsis ctin post-harvest decay, fungicides disease control, USA, Texas 46 [First]

Bottytis cinerea post-harvest decay, sulfur dioxide fumigation, packaging, temperature effects on 2905.

microflora, Saccharomyces cerevisue 3758.

Grapevine Bulgarian latent virus, infection, Vitis vinifera symptoms, electron microscopy 3080.

Grapevine fanleaf virus, detection, encyme-linked immunosorbent assay, Vitis vinifera 2150. disease control, heat treatments, Vitis vinifera 2245. infection, Vitis vinifera, detection, encyme-linked immunosorbent assay 1240. infection, Vitis vinifera, detection, encyme-linked immunosorbent assay 1240. infection, Vitis vinifera, detection, Nematoda vectors 4131. mixed infection, affafar mosaic virus, Vitis vinifera 2178. mixed infection, affafar mosaic virus, Vitis vinifera 5784.

Vitis vinifera 1287.

Grapevine fact virus, disease control, average propriation, Vitis vinifera 6794. Grapevine fact roll virus, detection, Vitis vinifera 3072. disease control, heat treatments, Vitis vinifera 2245. disease transmission, Cuscuta campestris parasitism, Vitis vinifera 6794. infection, Vitis vinifera, ribavirin effects on pathogenesis 5066. leaf-roll, Vitis vinifera, pathogenesis, ultrastructure, virus-like particles 5782. Grapes, Clinical sociation, articularities activity, ceroxium, uburanyom, companison.
N-forminoloyi thienamycin 7076.
Gramicidin,
biosynthesis, Bacillus brevis, formic acid, ethanolamine, production 774.
Gramicidin S,
analogs, peptide synthesis, structure activity relationships 5264.
analogs, peptide synthesis, structure-activity relationships, antibacteria
activity, gram-negative bacteria 9786.
antibacterial activity, Bacillus brevis, Bacillus subtilis 2424.
Bacillus brevis, biosynthesis, amedia oxygen content, media 6225.
Bacillus brevis, biosynthesis, media oxygen content effects on 6226.
biosynthesis, Bacillus brevis, phenylalamine metabolism transfer, gramicidin S synthetase activity 8207.
Synthetase activity 8207.
Gramicidin S synthetase, subtilis and synthetase, subtilis and synthetase, subtilistic provisional modification, Bacillus brevis 6494.
Gramicidin S synthetase, subtilistic properties 5278.
Gramicidin S synthetase, subtilistic properties 5278.
Gramicidin S synthetase subtilistic properties 5278. chemical properties 5278.

Craminese,
Aphididae, biological control, Entomophthorales 8360
Azosprillum association, nitrogen fixation 5941.

barley yellow dwarf virus disease reservoirs, USA, Indiana 1158.

barley yellow dwarf virus disease reservoirs, USA, Indiana 1158.

barley yellow dwarf virus disease reservoirs, USA, Indiana 1158.

barley yellow dwarf virus, cytopathology, host range 7666.

bromde uptake, chloride uptake, vesicular-arbuscular mycorrhizas 5101.

Claviceps purpurea infection, association, enzymes detection, immunofluorescence, 5707.

control, fungi, biodeterioration, books, conferences 10004.

control, fungi, biodeterioration, books, conferences 10004.

control, fungi, biodeterioration, books, conferences 10004.

cissase transmission, Cuscuta campestris parasitiem, Vitis vinifera 6794.

Graphiole promise.

roots infection, relationship air pollution sensitivity, Pinus strobus 5866. **Graphlum penicillioides,**biosynthesis, pectate lyase, pectin lyase 5515.

cover, soil biochemical characteristics, microorganisms activity, slope exposure, erosion relationship 7826. Grasslands, Grasslands, Chionochioa rigida, soil, assays, β-D-fructofuranosidase, amylase, pH effects on, New Zealand 9565.
Chionochioa rigida, soil, assays, amylase, β-D-fructofuranosidase, buffers,

fertilizer applications, soil properties, denitrification, denitrifying bacteria

8687

8687.
nitrogen cycle 2372.
nitrogen fixation, pollution effects, heavy metals, Trifolium repens,
nitrogen-fixing bacteria 8686.
nitrous oxide production, fertilizer applications, denitrification 6995.
soil, nitrogen cycle, fertilization 9614.
tropical environment, respiration, soil properties, seasonal variations 561.

Grassy stunt virus,
disease resistance, inheritance, Oryza sativa, Oryza nivara 5037.
disease transmission, Nilaparvata lugens, Oryza sativa 4952.

Gratis in.

Gratisin,

synthesis, antibacterial activity 8884.

Graveolone, induction, Petroselium hortense cell culture, fungi infection 5765.

Grazing, Acanthamoeba polyphaga, effects on Pseudomonas cepacia nitrogen mineralization

614 animals, lupinosis, relationship, Lupinus fungi infection 5005. cattle, environmental impact, surface water, water quality, streams, USA,

Colorado 8973. Collembola, effects on, nitrogen, cations leaching, fungi mycelia, leaf litter decomposition 3212.

oecomposition as 12. introgen cycle, Panicum coloratum 1484.

Greasy spot,
Citrus paridisi, disease control, fungicides, foliar applications 5834.

Mycosphaerella citri, Citrus latifolia, epidemiology, USA, Florida 9376.

mycospherona unity or all diseases, military personnel 8080.
Green mold, oranges, antifungal activity comparison, thiabendazole, sodium orthophenylphenate, CGA-64251 1319.
Personnel digitatum, oranges, post-harvest decay, imazalil treatment 9452.
Personnel page.

Penicillium digitatum, oranges, post-harvest decay, imazaiii treatmeni shoz. Greenhousee,
Cymbidium, Cattleya, mycorriizas symbiosis 9562.
Incidence, Phytophthora infection, Rhododendron, Azalea, llex crenata 1282.
omamental plants, fungi pathogens, fungicides resistance 4099
omamental plants, incuculation methodology, Erwinia chrysanthemi 2229,
plants, powdery mildew disease control, ectaconazole treatment 5004.
plants seedlings, damping-off, Pythium infection 1265.
Rhododendron, disease control, Phytophthora dieback 9419.
Rhododendron, nicidence, mycorrhizas, USA, Rhode Island 4202.
Saccharum, Ustilago scitaminea isolates differentiation 5001.
soil, source, dispersal, Pythium, Rhizoctonia solani 3398
trials, nitrogen fixation estimation, isotopes dilution methodology 5126.
USA, North Carolina, plant diseases, roots, crops, fungi, bacteria 9411.
Greening.

USA, North Carolina, plant diseases, roots, crops, fungi, bacteria 9411 Greening, disease transmission, Cuscuta role, Citrus sinensis, Vinca rosea 9448. Grommentella abletina, canker, Pinus sylvestris survival, reforestation 4164. infection, Pinus, disease resistance 3175. races, gas chromatography, use, characterization, differentiation 4531. Grey mold,

Botrytis cinerea, air composition, effects on, Fragaria chiloensis var.ananassa 5028.

5028.

Sotrytis cinerea, antifungal agents, disease control, Rubus idaeus 487.

Botrytis cinerea, dicarboximides resistance, greenhouses 6884.

Botrytis cinerea, disease control, Cyclamen graecum, iprodione, procymidone, vinclozolin 1424.

Botrytis cinerea, host-parasite interactions, ultrastructure, role aromatic compounds production, fruits, Vitis vinifera 9402.

Botrytis cinerea, Pisum sativum 7663.

Grinding,

+ heat, pretreatment, cellulose, hydrolysis, cellulase, Trichoderma harzianum 6650.

6650.

Grisofulvin, antitungal activity, dermatophyte fungi 9682. assays 6180.

production, Streptomyces griseus, storage conditions effects on 8120.

Ground water, bacteria, counting methods 3485. bacteria, microbial pollution 2623. bacteria, vertical distribution 8670.

paciena, venicai distribution 8070.

fecal coliforms movement, sewage waste disposal sites 9814.
microbial poliution, indicator species, Salmonella typhimurium, Escherichia coli,
Streptococcus feacalis, phage 12, enterovirus 8979.
microbial pollution, phages tracers 3479.
sediments, microorganisms biomass detection methodology, association, glycerol
assays 4466.

Growth,

Arowth,
Acer pseudoplatanus seedlings, endomycomhizas effects on 531.

Allium cepa, mycomhizas effects on 586.

Arachis hypogaea, seedlings, Cercospora arachidicola leafspot effects on 341.

Association, bacteria, wood extracts nutrient sources 3.

association, hydrogen biosynthesis, Citrobacter intermedius, Clostridium pasteurianum 124.

Bacillus cereus, Clostridium perfinigens, food contamination, beans 219.

bacteria, cold storage, packaging, beef, liver, torque 267.

bacteria, contamination, beef, packaging 252 bacteria, mammalian cells, 2-hexadecynoic acid effects on 683.

bacteria, zones, relationship, time, polyene antibiotics, antibiotic sensitivity testing 2520. sting 2520

Basidiomycetes mycelia, soil, association, plants 1478.

Growth, (continued)

rowth, (continued)
Candida utilis, ethanol biosynthesis, fermenters 138,
carbon dioxide effects on yeasts 141,
Clostridium botulinum, effects on, toxigenicity toxicity, seafood 309,
Clostridium botulinum, toxigenicity, nitrite inhibition, organoleptic properties,

sausages 303. effects on symptoms, Pseudomonas syringae pv.tagetis infection, Tagetes 2231. Fomes annosus, ozone effects on 541.

Formes annosus, ozone effects on 541. fungi, monitoring, propionic acid, antifungal activity, preservation, feeds 1086. Klebsiella pneumoniae, glucose, cyclic AMP, effects on enzymes 1938. Laccaria laccata, effects on. Coniferales 532. methodology, Clostridium perfringens, bacteriocins analysis 2705. Penicillium, pericilin biosynthesis, iron effects on 1617. Picea sitchensis, Picea glaca, mycorrhizas, effects on 530. Pinus lambertiana, Lophodermella arcuata infection effects on, disease spread

1461

1461.

Plasmopara viticola, downy mildew, lissue culture, Vflis vinifera 1289.

Pseudomonas fluorescens, association, batch culture 108.

Pseudomonas fluorescens, cinnamic acid, esters, inhibition 1555.

psychrotrophic bacteria, milk, dissolved oxygen, cold storage 239.

reactors, factors affecting, hermus, Bacillus, methodology 1794, revegetation, mines, mycorrhizas innoculation, Coniferates 519.

Rhizoblum, nitrogen fixation, soil, salinity, effects on 597.

Rhizoctonia solani, hyphae extension, validamycin inhibition 1568.

roots, Pisolithus tinctrious effects on Malus domestica, association, indole-3-acetic acid 591.

Saccharomovess cereivisiae, sodium chloride, effects on, lysine, levels

Saccharomyces cerevisiae, sodium chioride, effects on, lysine, levels 17.
Saccharomyces fragilis, nutrient requirements 926.
Salmonella hyphimurum, Staphylococus aureus, mayonnaise, meat, refrigeration

seedlings, soil proporties 522 seedlings, soil proporties 522 seedlings, Sophora secundiflora, mycorrhizas effects on 583. Serratla marcescens, sodium dodecylbenzene sulfonate, propanol, effects on 2460. soil microorganisms, fungi, ammonia, volatiles, effects on 2349. soil prip, phosphoraus effects on, Alnus glutinosa 555. soil properties effects on, Pseudotsuga menziesii, Tsuga heterophylla 520. Staphylococcus aureus, contamination, beef, packaging 272. Staphylococcus aureus, enterotoxins biosynthesis, sodium chloride, potassium chloride, ripening, cheddar cheese 2037. Staphylococcus aureus, water activity, media soultes 864. Staphylococcus us colonization, catheters 2638. Thermus aquaticus, continuous culture, media (culture) 2691. Trifolium repens, inhibition, infection, clover yellow veni virus ± Codinaea fertilis 2100. Trifolium repens, mycorrhizas association, Brassica effects on 585.

Trifolium repens, mycorrhizas association, Brassica effects on 585.
Vibrio cholerae, batch culture, fermenters, factors affecting 2706.
Vigna unguiculata, Phaseolus vulgaris, Zea mays, crop rotation, nodulation 1504.
volume, Eschenchia coli cell division 1994.

Yersinia enterocolitica, survival, pH effects on, yogurt 1080. Growth conditions,

rensmus enteroconica, survival, pH effects on, yogurt 1080. Trowth conditions,

Asschynomene indica, nitrogen fixation, Rhizobium 3244.

Aspergillus oryzee var brunneus, liquid culture 4522.

Clostridium saccharolyticum, ethanol, production, media (culture) 5575.

Clostridium saccharolyticum, attriant requirements, ethanol, production 5574.

effects on Ames test 9022.

effects on Aspergillus aculeatus, production, cellulase, media (culture) 3698.

effects on, sapergillus aculeatus, production, cellulase, media (culture) 3698.

effects on, synchronous culture, oil, Lodderomyces elongisporus 4266.

ethanol fermentation 8404.

media (culture), agar, Methanococcus maripaludis, Methanococcus voltae,
methodology 9050.

microorganisms, olives oil cake biodegradation 4748.

Penicellium funiculosum triacylglycerol lipase biosynthesis 4656.

relationship, chlorine dioxide, drug sensitivity testing. Escherichia coli 667.

Salmonella anzonae, effects on heaf resistance 1538.

typtophan, production, Achromobacter liquidum 8203.

Escherichia coli, association, exposure, ampicillin, amoxicillin 7054. Streptomyces hygroscopicus cell culture, mathematical models, identification 3580

production, Lycopersicon esculentum, Meloidogyne incognita, interaction, Fusarium oxysporum f.sp.lycopersici, effects on 1276. Growth inhibition test, media (culture), identification, Kingella denitrificans, Neisseria gonorrhoeae

9925.

Spiroplasma, use, taxonomy 2687.

Sproplasma, use, taxonomy 2687.

Growth patterns,
Saccharomyces rouxii, isolation, chocolate 4822.

Growth rate,

Growth rate,
Bacillus subtilis, α-amylase production 2795.
common bean mosaic virus infection, Plsum sativum 8539.
Monilinia fructicola, benomyl effects on 1413.
relationship, cell cycle analysis methodology, bacteria 3559.
Rhizoctonia solani, quintozene resistance 4286.
Vibrio parahaemolyticus, correlation proteiniase biosynthesis 1943.
Growth regulators,
effects on pathology, Cylindrociadium crotalariae root rot, Glycine max 3909.
g1re. GTP.

production, Candida 5537.

sensitivity. Acetobacter ornithine decarboxylase, spermine biosynthesis 8371.

GTP cyclohydrolase,
purification, kinetics, Pichia guilliermondii 7351.

Gualacol. ole metabolism intermediates, yeasts, characterization 8439.

Gualacols. conversion, Arthrobacter 2889.

+2.4-dioxohexahydro-1,3,5-triazine, antiviral activity, viruses infection, Nicotiana tabacum 6886.

effects on foot-and-mouth disease virus strains, growth 2469. treatment, viruses infection, Nicotiana tabacum, Hordeum vulgare 1198.

Haemophilus influenzae, (continued)
immunoelectrophoresis, identification, serolyping 8113,
inoculum size effects on cephalosporms, antibacterial activity 2532.
β-iactam artibotics antibacterial activity 717.
β-iactamase activity, detection methodology 7318.
β-iactamase inhibitors, epihalosporms synergism 6133.
β-iactamase production, activity, association, antibacterial activity, B-iactam antibotics 9736.
medical (culture), detection, bacteremia diagnosis, children 9934.
medical (selective), respiratory tract isolation 9952.
mennigitis, diagnosis, latex agglutination 9957.
mennigitis, latex agglutination diagnosis, man 3597.
mezilocillin, antibacterial activity 6143.
nasopharynx isolates, antibacterial activity, coltrimoxazole, trimethoprim, sulfamethoxazole 7066.
ottis médica, ampicillin resistance, man 647. Guanidine hydrochioride, denaturation β-lactamase, Staphylococcus aureus 3702. 3-Guanidinopropionate amidinohydrolase, Pseudomonas aeruginosa, purification, characterization 1918. biodegradation, soil 5890 triostin A binding 8030. Guar gum. degradation, Bacteroides ovatus 172. Guavas, post-harvest decay, disease control, benomyl, guazatine 6832. Guazatine, disease control, post-harvest decay, guavas 6832. disease control, post-harvest decay, guavas bes2.

Guignardia laricina,
phytotoxins, structure, characterization 8521,
shoot biight, Larix leptolepis, association, phytotoxins 4161

Guizotla abyssinica,
seeds germination, phytotoxins inhibition, fungi 2082.

L-Guionolactone oxidase,
purification, characterization, Saccharomyces cerevisiae 56.

Gummosla, summitternoxazore 7065: ottes media, ampicilin resistance, man 647. piperacilin antibacterial activity 8844. polysacchandes, cattle serum albumin conjugate, hydrodynamics, light scattering 978. 978.
strains, 6-lactam antibiotics resistance 4284.
temocilin antibactenal activity 2550.
temocilin antibactenal activity 6155.
Haemophilus influenzae type b,
antibacteria activity, calcor, association, inoculum size 732.
clinical isolates, ampicilim β-lactamase 653.
temocilin antibacterial activity 2546.
Haemophilus parahaemolyticus,
animal isolates, antibiotic sensitivity testing, sulfonamides sensitivity 5189.
Haemophilus parainfluenzae,
antibiotic resistance, antibiotic sensitivity testing, chloramphenicol,
tetracycline 7873.
Haemophilus pleuropneumoniae, diminuste, Amygdalus communis, fungi etiology 3030. Botryosphaeria dothidea, disease resistance, Prunus persica 2248. Botryosphaeria, pathology, Prunus persica 1217. Prunus persica, epidemiology 1214. Prunus persica, epidemiology 1214.

Guyana,
tropical environment, leaf litter decomposition, forests 8447.

Gycerol-3-phosphate dehydrogenase,
assays, Streptomyces coelicolor 7310.

Gymnoacous reeell,
tomatidine biodegradation 3773.

Gymnoacopranglum fuscum,
basidiospores, spore germination, haustoria, penetration, Vitis vinifera 1284.

Gyromtra resculenta,
gyromtrin metabolities, N-methyl-N-formyl hydrazine, mutagenicity, Ames test 6708. Haemophilus pleuropneumoniae, isolation, pigs, methodology 9958, serotypes, antigenic relationship, indirect hemagglutination 9963. Seforypes, alligenic catalogue, Haemophillus somnus, antibiotic sensitivity testing 2515. Haemophilus vaginalls, sendia (isolation), vagina, cervix, man 8112. 6708. Gyromitrin, metabolite etabolities, N-methyl-N-formyl hydrazine, Gyromitra esculenta, mutagenicity, Ames test 6708. Hafnia alvei, histamine biosynthesis, food poisoning 121. Hair, roots, efficacy roots, antifungal agents, methodology, guinea-pigs 8164. Hakea serices, weed control, biological control, Colletotrichum gloeosporioides, field trials Habitat, diversity, soil microorganisms 6960. relationship Cronartium coleosporioides, blister rust, Pinus contorta, USA, Idaho 9408 relationship Cronartium coleosporioides, blister rust, Pinus contorta, USA, Ide SH82,
vesicular-arbuscular mycorrhizas, ecological distribution, soil properties 570. Habitat selection,
Carabidae, role olfactory stimuli, soil microorganisms 9532. Haematoporphyrin,
derivatives, effects on antibiotic resistance, gram-positive bacteria 3269. Haemophilus,
antibacterial activity, midecamycin, new records 8893. cefodizime antibacterial activity 7142. dentification methodology 3590. norfloxacin antibacterial activity 7057. Haemophilus ducreyl,
antibiotic sensitivity testing, media (isolation) 9711. antibiotic sensitivity testing, association, treatment, man 5191. detection, association, starch aggregation 3583. Haemophilus equipenitalis, cefotaxime antibacterial activity 8834. media (transport) 3591, proteins, electrophoretic mobility 6372. Haemophilus influenzae, ampicilin artibiotic resistance, role 61-lactarmase 2400. M.K. 0366 artibacterial activity, 8454 and proteins artibiotic resistance, role 61-lactarmase 2400. M.K. 0366 artibacterial activity, 8454 and proteins activity, 8455 and proteins activity, 8454 and proteins activity, 8454 and proteins activity, 8454 and proteins activity, 8455 and proteins activity, 8454 and proteins activity, 8455 and proteins activity, 8454 and proteins activity, 8455 Half-life, herbicides, MCPB 5971. Halides, antiviral activity, pseudorables virus inactivation 3353. almophitus, clinical isolates, antibacterial activity, ceftazidime, cefotaxime, moxalactam Halo blight,
 Pseudomonas syringae subsp.phaseolicola, effects on Phaseolus vulgaris, nodulation, Rhizobium phaseoli 7652. p-Halo-DL-phenylalanine, derivatives, artibactenal activity, structure-activity relationships, Lactobacilius case 17085. 2-Haloacid dehalogenase, Pseudomonas putida, purification, physicochemical properties 1872, purification, characterization, Pseudomonas 7370. Halobacterium, ethodology, 8110.
Halobacterium haloblum,
bacteriorhodopsin, folding, subunit assembly, structure-activity relationships bacteriorhodopsin, folding, subunit assembly, structure-activity relationships 5464.
ferredoxin, Raman spectroscopy 4558.
Igids, use food additives, feeding trials, mice 245.
membrane proteins fractionation 2739.
purple membranes, bacteriorhodopsin, photochemistry, I.R. spectroscopy 4554.
purple membranes, bacteriorhodopsin, secondary structure, C.D. 6393.
purple membranes, bacteriorhodopsin, secondary structure, C.D. 6393.
purple membranes, reinfal-binding protein purification, characterization, bactenorhodopsin deficient mutant 4561.
IRA polymerase, purification, characterization 7393.
Halobacterium marismortul,
malate dehydrogenase, X-ray scattering 931.
Halobacterium salinarium,
citrate synthase, succinyl-CoA synthetase (GDP-forming), isolation,
characterization 5497.
Halopendoric compounds,
antibacterial activity, Wcobactenum, Staphylococcus aureus 2438.
Halodalkyimalonic esters,
effects on, microorganisms, membrane permeability, enzymatic activity 7957.
Haloperdol,
antibacterial activity, 8753.
Halophille bacteria,
sea water, antibacterial activity 3318.
Ham, 5464 isemopinitus immuenzes, ampicilim artibiotic resistance, role β-lactamase 2400. M.K. 0366 antibacterial activity 6055. antibacterial activity β-lactam antibiotics. 7981. antibacterial activity, β-lactam antibiotics, cephalosporins 6119. antibacterial activity, β-lactam antibiotics. Cephalosporins 6119. antibacterial activity, ceftraction (4367) antibiacterial activity, ceftraction (4367) antibiacterial activity, ceftractione, cephalosporins 4353. antibiacterial activity, ceftractione, cephalosporins 4353. antibiacterial activity, ceftractione, cephalosporins 6153. antibiacterial activity, ceftractione, cephalosporins 4353. antibiacterial activity, viceftractione, cephalosporins 4353. antibiacterial activity, viceftractione, antibicaterial activity, viceftractione antibiotics 8041, antibiacterial activity, mezicoillin, comparison, pericillins 6141. antibiacterial activity, temocillin 2554. antibiotic resistance, β-lactamase, plasmids characterization, transfer 644. antibiotic resistance, antibiotic sensitivity testing, chloramphenicol, letracycline 7873. tetracycline 7873.
antibiotic sensitivity testing 6111.
antigens, detection, latex agglutination 2663.
bactericidal activity, cefadroxil, esphalexin 7137.
bactericidal activity, chloramphenicol, comparison, ampicillin, cefamandole 3418.
biotyping, relationship, virulence, antibiotic resistance, ampicillin, in vitro 7048. curing, freeze-thawing effects on food contamination, bacteria levels 182. food contamination, bacteria 3832.

smoking, curing, contamination, growth, yeasts, fungi, bacteria 180.

Harrigena avellanea,
soil microorganisms, Spain, check lists 3202. . T046.
Capsules polysaccharides, association cotrimoxazole tolerance 1562.
Capsules polysaccharides, carbohydrate composition, N.M.F. 7438.
Capsules polysaccharides, carbohydrate composition, N.M.F. 7438.
Cerebrospiral fluid, detection, Phadebact lest, latex agglutination, counter immunoelectrophoresis, meningitis diagnosis 9941.
Children blood culture, detection, use, acridine orange, gram stain, methylene disinfection, dentistry, man 8988. disinfection, germicides, man 816. microflora, ambiacterial activity, chlorhexidine, man 6275. washing, effects on shigeliosis disease spread, man, Bangladesh 5356. Hansenula, blue 8140. clinical solates, antibacterial activity, cefoxitin, tobramycin, companson N-formimidoyi thienamycin 7076. Clinical solates, antibiotic sensitivity testing, antibiotic resistance 7985. clinical solates, antibiotics susceptibility 9721. clinical solates, storage association survival 2681. companison, Escherichia coli, chloramphenicol, bactericidal activity, cell cycle 5560. phenylacetylcarbinol production 1974.

Hansenula anomalia
acidity, heat inactivation, fruit juicas 5636.

Candida krusei, Geotrichum candidum, mixed culture, protein biosynthesis, whiskey distilleres wastes 15.

heat inactivation, fruit juices 2039.

DNA-binding protein, purification, characterization 7283.

Hansenula anomaia, (continued)

Incate on the state of the stat

Hansanula jadinii, learnii taminula voori.
Hansanula jadinii, learnii taminula jadinii, learnii taminula jadinii, learnii taminula jadinii, learnii taminula jadinii taminula ja

Hansenula polymorpha, alcohol oxidase inactivation, selectivity, high-performance liquid chromatography

98. bioreactors, media (culture), aeration, reviews 8084. carbohydrate composition, association, carbon dioxide recycling, nutrient requirements, relationhip, space flight, food, man 8486. cells, separation techniques, flotation 6349. chorismate mutase, purification, characterization 40. fructose-bisphosphatase characterization 32. Hansenula wingel, fermentation induction, factors affecting 8400. Haboldity.

Haploidy,

Brassica napus, heredity, disease resistance, Phoma lingam 450.

Haptoglobulin,
binding Bordetella pertussis toxins, enzyme-linked immunosorbent assay 6720.

Hartig net, Alpova diplophloeus ectomycorrhizas, Frankia colonization, Alnus crispa, Alnus

rugosa 7776. Pisolithus tinctorius, cytology, roots, Pinus strobus 9510.

Hatchability, nuclear polyhedrosis virus infection effects on, Hyphantria cunea 1044.

eggs, nu Haustoria. Atkinsonia ligustrina, xylem transport, host-pathogen interactions. Loranthaceae 5790.

Erysiphe gramin vulgare 9347 minis f.sp.hordei, growth, host-pathogen interactions, Hordeum

formation, Puccinia hordei infection, Hordeum 2133.

Gymnosporangium fuscum, penetration, Vitis vinifera 1284.

Puccinia coronata f.sp. avenae, interaction, Avena sativa, cells, ultrastructure 2136.

rust, growth, necrosis, Vigna unguiculata 3922. ultrastructure, Erysiphe graminis f.sp.hordei, powdery mildew, defense mechanisms, Hordeum vulgare 6838.

Hay spottage, fungi, prevention, antifungal agents 247. HCH,

paddy fields soil, effects on nitrogen fixation, heterotrophic bacteria 619. man, Lactobaciflus acidophilus, ice cream 4836.

prosthetics, benzalkonium chloride+oxacillin binding, postoperative infection prophylaxis, dogs 5343.

Heart rot, wood decay, oxygen, carbon dioxide effects on 5084. Heat,

activation, Escherichia coli enterotoxins 3894

disinfection, microorganisms, models 4461. effects on viruses inactivation, ammonia role 7945

enessas our vriuses inactivation, ammonia rola 7945, exchange, cleaning systems, food industry, bacteria, contamination 4784. fermentation, fungi, respiration, carbon sources 145, +grinding, pretreatment, cellulose, hydrolysis, cellulase, Trichoderma harzianum 6650.

dinding, preuseant.

6650.
inactivation, yeasts, truit juices 2039.
output, serobic bacteria, pigs wastes biodegradation 2888.
production, aquatic bacteria, calorimetry methodology 8145.
production, association, formentation, measuring techniques 1052.
sensitivity, Campylobacter fetus subsp.jejuni, pasteurization, milk 2060.
+ sodium hydroxide, pretreatment, Zea mays crop residues, hydrolysis, cellulase, atability, Staphylococcus aureus deoxyribonuclease, defection, food contamination 9278.
sterilization, lactose solutions, Thermomonospora growth inhibition 2907.
sterilization, lactose solutions, thermomonospora growth inhibition

Heat balance, resources solutions, inclinations, inclinations, inclinations, leaves, tobacco mosaic virus infection, Nicotiana tabacum 1288, microorganisms, in vitro, calorimetry+fermenters measuring techniques 7215.

Heat inactivation,

leart Inactivation, aukanian inactivation, aukanian monoxygenase (FMN-linked), bacteria 6479. Bacillus sphaenicus, biological control, larvae, Anopheles stephensi 6612. Bacillus steprothermophilus spores, soybaan milk 207 calicivirus, biological control, disease resistance, heat resistance, Amyelois transitella 5549. Chiamydia 9714. Coxsackievirus B5, methodology, food processing 1092. β-D-fructofuranosidase, immobilized enzymes, Saccharomyces cerevisiae 9150. glucose oxidase, immobilized enzymes, Aspergillus niger 43. yeasts, potassium sorbate+sodium benzoate, acidity effects on, fruit juices 5636. set resistance.

Heat shock, inductor, Saccharomyces cerevisiae ribonuclease 4689.

Heat transfer

Clostridium botulinum spores inactivation, mushrooms, canning 1093. equipment, fouling organisms, bacteria, books 5444. sterilization, canning 2059. Heat treatment,

menstern tip culture elimination, association, regeneration, viruses infection 469

Heat treatments, ± benomyl, ± acetone, seed treatments, Fusarium moniliforme elimination, com 5845.

com 5845. disease control, grapevine fanleaf virus, grapevine leaf roll virus, grapevine vein banding virus, vitis vinifera 2245. disease control, Pyrenophora graminea, Pyrenophora teres, infection, seeds, Hordeum vulgare 1430. disease control, Saccharum, ratoon stunt, bacteria 9468. effects on, bacteria, beef, food quality, reviews 8488. effects on, bacteria, tood spoilage, luncheon meat, food processing 6678. effects on, bacteria, tood spoilage, luncheon meat, food processing 6678. effects on, benese fermentation 4809. Manihot esculenta, mosaic disease, cassava common mosaic virus 1312. milk, effects on Streptococcus lactis 8470. milk, effects on, Streptococcus lactis 8470. milk, effects on, Streptococcus lactis 8470. loca europeae, factors affecting, Lactobacillus plantarum, fermentation 7592. Prurus avium, viruses elimination 8365. + y radiation + chemicals, control, Rhizopus nigricans post-harvest decay, tomalose 2237.

+ y radiation+chemicals, control, Hhizopus nignicans post-harvest of tomatose 22d7.
+ sodium chloride, a flatoxins removal, peanuts 6689.
soil, Pseudomonas maltophilia, biodegradation, herbicides 5904.
Solanum tuberosum, infection, potato virus X, potato virus Y 2155.
stenlization, association, microorganisms reactivation 2499.
tryptone, antibacterial agents production 8777.

Heathw

Calluna vulgaris, fatty acids isolation, identification, phytotoxicity, arrithrugal activity 5929. Calluna vulgaris, soil, microorganisms biodegradation production fatty acids, arrithrugal activity, seasonal variations 5930. Heavy mobile, statuted in types 5096.

eery metais, accumulation, activated sludge 5296. adsorption, extracellular polymers, bacteria, activated sludge 1689. adsorption, extracellular polymers, bacteria, activated sludge 1690. Bacteroides susceptibility 661. effects on ammonification, nitrification, nitrifying bacteria, soil pollution

Ehrharta calycina uptake, Glomus fasciculatus stimulation, acid rain 7805.

Eminara calyona upirake, ciorius fasciciarius simulation, acio rain 1802; gradients, soil, respiration, fungi population dynamics association, Sweden 6898. leaching, heterotrophic microorganisms, screening methodology 3256. levels, oil, waste disposal, biodegradation, revegetation, semianid environments 7020.

Pollution effects, nitrogen fixation, grasslands, Trifolium repens, nitrogen-fixing bacteria 8686. resistance, Enterobacteriaceae, heavy metals, harbors sediments isolates 9645. resistance, Staphylococcus aureus, Staphylococcus intermedius, animal isolates 3279

satts. Spiroplasma sensitivity 2441.
tolerance, activated sludge bacteria, copper bioaccumulation, wastewater
treatment 6246.

toxicity, thermophilic bacteria, sewage sludge, digestion (anaerobic) 8063.

toxicity, usually thebe, leafspot, Septoria veronicae, pathogenicity 5757. Hebelome crustuliniforme, effects on, growth, Picea sitchensis, Picea glauca 530. Hebeloma sacchariolens, mycorrhizas, inoculation, seedlings, trees 5857. Heavyshium, corponarium.

mycorrhizas, inoculation, seedlings, trees 5857.

Hedychlum coronarium,
incidence, Azospirillum, rhizosphere microorganisms, tropical environment 7853.

Hedysarum coronarium,
Rhizobum symbiosis, nitrogen fixation, Israel 5947.
symbiosis, Glomus mosseae, growth, Italy 6975.

Height,
Oryza sativa, sheath blight, effects on yield 3017.
Triticum aestivum, plant breeding, disease resistance, leaf blotch, Septoria
tritica 454.

Het a celle.

effects on, Pseudomonas aeruginosa exotoxins, bacteriostats, cytostatic agents

poliovirus, herpes simplex virus 2, antiviral activity, hygromycin B 7947.

powdery mildew. Erysisphe cichoracearum, disease resistance 1278. Hellanthus annuus, Agrobacterium tumefaciens, crown gall, temperature effects on 6574. Altemaria alternata growth, dew, temperature, light, effects on 6800. Altemaria helianthi infection, factors affecting 6799. blight, Alternaria helianthi, incoclum production 5746. charcoal rot disease transmission. Cylindrocopturus adspersus role 9444. chlorosis, Pseudomonas syringae pv. lagelis, host range 1304. disease resistance, downy mildew, Plasmopara halstedii 4066. downy mildew, disease control, metalavyl 1418. downy mildew, Plasmopara halstedii, effects on, metabolism 3987. downy mildew, Plasmopara halstedii, Erysiphe cichoracearum, Sphaerotheca fuliginea 4006. gemplasm screeining, disease resistance, rust, Puccinia helianthi 4064.

germplasm screeining, disease resistance, rust, Puccinia helianthi 4064. infection, Alternaria helianthi, sporulation, survival 7712. leafspot 1255.

learlsput. Pseudomonas syringae pv.tagetis, seed-borne diseases 1303. learlspot, Septoria helianthi, new records, Palsikatan 7697. Macrophormiae phaseolina charcoal rot, incidence, distribution, Spain 9416. phenylalanine ammonia-lyase, kinetics, stimulation, downy mildew, Plasmopara haistedii 9405.

raisisted 3940; seedlings, Rhizoctonia solani infection, disease control, fungicides 6870, seedlings, Rhizoctonia solani infection, disease control, fungicides 6870, seeds coats, autohydrolysis 9136. Septona heliarthi lea

stem spot 1255. tobacco streak virus infection, pathology, host range 9430.

Helianthus tuberosus, carbohydrates, ethanol, role yeasts 2389, extracts, media (culture), yeasts, single-cell protein, production 7606, plant extracts, inulin, use, Saccharomyces rosei, ethanol production 8410 Helichtysum piloatum, extracts, antibacterial activity 2443. Helicostylum pilition 3798

rencostyum pimorne, bile acids conversion 3798. Heliothia, pest control, Heliothis zea nuclear polyhedrosis virus 1041. Heliothis armigera, biological control. Bacillus thuringiensis 5559. Heliothis virescens, largue pidourcial control. haputovirus 4740.

Heliothis virescens,
larvae, biological control, baculovirus 4719,
pest control, nuclear polyhedrosis virus 7224,
pest control, nuclear polyhedrosis virus, Cicer arietinum extracts, feeding
behavor, stimulants 6598.
Heliothis zee,
heliothis zee,

bological control, nuclear polyhedrosis virus 996. biological control, pest control, adjuvants, efficacy 6595, biological control, sprays, adjuvants, pathogens, nuclear polyhedrosis virus 5547.

5547.
nuclear polyhedrosis virus, pest control, Heliothis 1041.
Heliscus lugdunenals,
buodegradaton, Populus tremuloides, leaf litter 8045.
Helimithosportum,
leafspot, disease control, fungicides, Cocos nuclera 1391.
Helimithosportum carbonum,
cyclic peptides bxxins, contromation, N.M.R. 7618.

host-parasite interactions, etiolation, seedlings, Zea mays, Helminthosponum carbonum 3015. infected, Medicago rugosa, leaves, phytoalexins, isolation, characterization

1355.

1355.

1355.

1356.

1357.

1357.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

1358.

13 368

infection, Zea mays, susceptibility, maize dwarf mosaic virus infection effects on 1185

on 1185.
mixed infection interaction maize dwarf mosaic virus, Zea mays 3007.
pathogenicity, genetic analysis, Zea mays 3005.
phytotoxins, bioassays, use, Zea mays, roots, cells 8552.
spores, application, Zea mays, leaves, methodology, humidity 9081.

Sportes, apprication, 28st mays, seaves, freshoorboy, mainting such : Helminthosportium organe, antitungal activity, Hyptis suaveolens leaves oils 494, antitungal activity, Lycopersicon lycopersicum pollen 8605, antitungal activity, 1,2,4-triazold,3-4-c)-1,2-4-tithiazoles 8788, brown spot, biological control, Streptomyosa longsporus antagonism, Oryza sativa brown spot, biological control, Streptomyosa longsporus antagonism, Oryza sativa

Drown spot, biological control, Streptomyces longisporus antagorism, Ol 4105.
Caesulia axillaris essential oils antifungal activity 4297.
essential oils antifungal activity, Mentha arvensis var.piperascens 6876.
Helmithoaportum aaccharl,
helmithoaporoside bosynthesis, role β-galactofuranosidase 8504.
helmithosporoside, istructure 8508.

helimintrosporoside, structure 8508. toxins structure 7629 Heliminthosportum sativum, leafspot, disease resistance, heredity, Triticum aestivum 3121. Heliminthosportum turcicum, leaf blight, pathogenesis, Zea mays, USA, Ohio 7668. spore germination, artifungal activity, fruits extracts, Diospyros cordifolia 3785.

biosynthesis, role 8-galactofuranosidase, Helminthosponum sacchan 8504. Helminthosporium sacchari toxins, structure 8508. Hemadsorption,

Premacacrption, detection respiratory syncytial virus antibodies 1742.
Hemaglutination, Basidiomycetes, mycelia, extracts 13.
blood group P1, identification Escherichia coli pili receptors 5402.
diagnosis, synhilis 2665.
fibrinogen, use, Staphylococcus aureus identification 844.
methodiciory, anothropides stabilization jurisee, 537.

fibrinogen, use, Staphylococcus aureus identification 844.
methodology, erythrocytes stabilization, viruses 5371.
proteins stabilization, togavirus, bunyavirus 3545.
lemagglutination inhibition,
antibodies detection, measles virus 8093.
immune status determination, rubella, man 9842
measles virus, filter paper methodology 9859
methodology, erythrocytes stabilization, viruses 5371.
rubella virus serum artibodies, immune status, comparison, enzyme-linked.
immunosorbent assay, indirect hemagglutination 9837.

Hemaguitnina, biosynthesis, indirect nemaggiutination 9837: Hemaguitnina, biosynthesis, Enterobacter pili 8364. Bordetella pertussis, antibodios, enzyme-linked immunosorbent assay 889. Bordetella pertussis, purification, characterization, use, enzyme-linked immunosorbent assay 886. chitin binding, Conidiobolus lamprauges, purification, immunological aspects

parainfluenza virus 3, vaccines, immunogenicity, mice, sheep 7189 purfication, clostridium botulinum 7635

purmication: constraint successful the properties of the propertie

cytochrome peroxidase, redox properties, E.S.R., Pseudomonas aeruginosa 3696 iron coordination geometry, cytochrome c, N.M.R., Saccharomyces cerevisiae. Candida kruser 3643. iron coordination geometry, cytochrome c551, N.M.R., Rhodopseudomonas gelatinosa

3653

Heme P-450,

hydroxylamine oxidase, reaction carbon monoxide, hydrogen peroxide, mechanisms, Nitrosomonas europaea 8282.

Hemicellulase.

production, phytopathogenic fungi 6404. Trichoderma reesei cellulase hydrolysis 9157.

Hemicellulose, hydrolysis biomass conversion, percolation reactors, mathematical models 9194 hydrolysis, Klebsiella pneumoniae, production, 2,3-butanediol 3739. Hemilela vastatrix,

femilela vastatrix,
infection, Coffea arabica, plant diseases pathogenicity measuring techniques,
mathematical models 116.
leaf rust, Coffea arabica, disease control 4076.
leaf rust, Coffea carabica, disease control 4076.
leaf rust, Coffea carabica, disease resistance, light intensity effects on 3962.
leaf rust, disease control, fungicides, Coffea arabica 1341.
leaf rust, disease control, fungicides, Coffea arabica 1341.
leaf rust, disease resistance detection, methodology, Coffea canephora 2261.
leaf rust, disease resistance, leaves age effects on, Coffea arabica 4976.
leaf rust, epidemiology, coffea arabica, Latin America 1216.
rust, Coffea arabica, epidemiology, 5015.
rust, Coffea arabica, disedence, mathematical models 2150.
emoglobin.

Hemoglobin,

oxygen supply, microorganisms immobilized cells 6286. Hemolysins,

esis, Treponema hyodysenteriae 2090.

Hemolysis, antibodies detection, measles virus 8093 erythrocytes, influenza A virus antigens detection, factors affecting 824.

Hemoproteins, subunits, sulphite reductase (NADPH), sulfite, nitrite complex formation, Escherichia coli 2783

Hendersonia,

Hendersonia, leafspot, Eucalyptus, New Zealand 7706.
Hendersonula toruloidea, naphihoquinones derivatives biosynthesis 6605.
Henosepilachna vigintiloctopunctata, biological control, Fusanium moniliforme var. subglutinans 1034.
Heparin Ityase, nutrient sources, regulation, production, Flavobacterium heparinium 969.

viruses, diagnosis, enzyme-linkad immunosorbent assay, use amidase 2659.

reparus A, diagnosis, enzyme-linked immunosorbent assay, feces, man 4489 man, epidemiology, drinking water contamination, USA, Pennsylvania 7202 man, immunoglobulin M separation techniques, chromatography 1755 outbreaks, epidemiology, drinking water contamination, man 6261.

Hepatitis A virus, assays, is a propulated of the contamination of th

assays, use, immunoelectron microscopy 4476. chlorine, effects on, infectivity, Saguinus fusiciollis, Saguinus nignooflis, Saguinus Isabatus labatus, experimental infection 2488 chlorine inactivation, pH effects on, disinfection, drinking water 9812.

chlorine inacuvation, pri effects on, assimicator, orinning materials detection methodology 353 adetection methodology, association antibodies 3521. hepatitis A. dagnosis, enzyme-linked immunosorbent assay, feces, man 4469 hepatitis A. man, epidemiology, drinking water contamination, USA. Pennsylvania

hepatitis A. man, epidemiology, derivding water contamination, documentation, and programs and p

epatitis B virus,

antigens, antibodies, cross-reactivity use, woodchuck hepatitis virus detection, radioimmunoassay 9861. antigens, use purification, coagulation factor VIII, column chromatography 3542, detection, passive reverse hemagglutination, man 2650. hepatitis B surface antigen – aluminum hydroxide, vaccines, antibody response, man 783.

/83.

hepatitis B surface antigen, antigen-antibody complexes, enzyme-linked immunosorbent assay use seroepidemiology, man 822. hepatitis B surface antigen enzyme-linked immunosorbent assay, use Armoracia lapatinifota peroxidase 825. hepatitis B surface antigen, enzyme-linked immunosorbent assay 9016, hepatitis B surface antigen radioimmunoassay, solid phase methods, factors

affecting 82" and affecting affectin

Heptadeoxykanamycin, structure-activity relationship 9762.

Heptakis(2,6-0-dimethyl)β-cyclodextrin, effects on pertussis toxins biosynthesis, Bordetella pertussis 8523.

Herbicides application, effects on Rhizobium nodulation, nitrogen fixation, Leguminosae

8688

8888
Beta sulgans, crop rotation effects on fung, soil 618
biodegradation. Pseudomonas maltophilia heat treatments. soil 5904,
disease control. Aspergillus niger crown rot, Aspergillus flavus root rot,
Arachis hypogaea 2277;
effects on, Aspergillus flavus, Aspergillus parasiticus, growth, affatioxins production 7620
effects on Drechslera sorokiniana leatspot pathogenesis. Poa pratensis leaves

serescence 9387

effects on Macrophomina phaseolina saprophagy, Glycine max stems 2380 effects on nitrification, nitrifying bacteria 9619

```
Herbicides, (continued)
effects on Phizostoma solani damping-off Vigna unquiculata 9482
effects on soil fung 67(7)
                                                                                                                                                                                                                                                                                                                                                                                                                Herpes simplex virus 2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  impethyl-penzo- de -isoquinoliri 1 3-dione antiviral
          ements on son lung, 5707

effects on soons guarethy. Projectosponium serialis intention mondeum 486
effects on tomatic molesie, unus intention. Dispiral mente 1750
grammingslade bastelle obsolgeapeanom, 2986
pramation. Projectorial sound. Projectoria zeek plant diseases mots Zea
mays 5706.

MCPB brodegnadeanom, kgf-life partirular, fooded soils soil types soil.
                                                                                                                                                                                                                                                                                                                                                                                                                                     activity 1352
                                                                                                                                                                                                                                                                                                                                                                                                                          articles "" " " " " " Selective enzyme-linked immunicacitient assay 7227
                                                                                                                                                                                                                                                                                                                                                                                                                                     time activity it arrows 5.12% metry-surfamildopnienyly-1.3.4-thiadizon
                                                                                                                                                                                                                                                                                                                                                                                                                                    Der 181 / en 96.93
                                                                                                                                                                                                                                                                                                                                                                                                                          arminisa agents synergism, antivirsa activity 1572
1-(2-deoxy-2-fluoro-β-D-arabinofuranosyl)cytoeine, antiviral activity,
production, structure-activity readsonships 5213
             microtryanisms 557 microst parties; roccet bus sur joes son
microtryanisms belogica contro 566
microtryanisms pelogica contro 566
microsta parties; sur joes focose sois 588
premierocham biologicadator mineralizator son microtryanisms. Eseucomonas
                                                                                                                                                                                                                                                                                                                                                                                                                         drug secondly yearing lastagy 6075
drug secondly resting iberry-2 debryundine 5219
1. 2 flyto 2 debry 3 Granab noturanosysthymine lantiviral activity. Vero
                        386
                                                                                                                                                                                                                                                                                                                                                                                                                                    2 yoursetterymetry iguarante arminia activity minibilition replication
             CHE MEDICIAN SIN OF PRECISOR PROCESSION THE
            Policy in a particular control of the search of the control of the
                                                                                                                                                                                                                                                                                                                                                                                                                          rygioniyon B antivina adavity meua cells 7547
** Ilaana 3- 2-hydroxyethixiymethyliguanine drug resistance role BSC-1 cells cell
hasion 327.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         no compounds arrives active, 856A
                                                                                                                                                                                                                                                                                                                                                                                                                          Symmetic compounds arrow a activity blook 2 deputyundine 
mymetire 5-bosono-2 deputyundine 5-bosok 2 deputyundine 
5 memyamine 2 deputyundine arabogs antivina activity 5214
             son microorganisms resouration effects on 8906 toxiony. Culinotae 6060
   Herbicidin
                                                                                                                                                                                                                                                                                                                                                                                                                          typing enzyme-invest immunosorbent assay monocional antibodies 9843
                     replomyces saganonenes biosynthesis, pathways 4418.
             erbicidin A.
                                                                                                                                                                                                                                                                                                                                                                                                                         antiviral activity. E-5-(2-bromovinyl)-2-deoxyundine 5218
                                                                                                                                                                                                                                                                                                                                                                                                              anthreal activity. E-5-(2-bromovnyl)-2-deoxyundine 52-8
anthreal activity. 9-5-(2-bromovnyl)-2-deoxyundine 52-8
anthreal activity. 9-(2-hydroxyestroxymetry) rguarine 7/99
forscared anthreal activity. 9-65-6
5-2-hydroxyestroxymetry guarine activities activity, medianisms reviews 9696
forster activity activities compute applications 725-2
Salausa autorispodigacity. Trymodine knase exists 9636
forscared activities activity. 9-2-hydroxyestroxymetryliguarine 7546
Herpelsvinus (bovine), 11.
               Sysperices segments, provider, converser, 3-5-6-artificity series,
                      adenne patrway 4408.
Instruments saganonensis production degeneration 4335
   Herbicians.
                           economynes sagamonensis structure 3435
   Hartis
                                 son arthra activity politicus Consacherrus 83 ECHOreus 17960
   Heredity
                                                                                                                                                                                                                                                                                                                                                                                                                       gyrose/ator gyrospralers (Ey-5-12-oxomaxinyly-2-deoxyundine inhibition
            Brassica rapids rapidory desease resistance Proma incom 450
                                                                                                                                                                                                                                                                                    sativum eatsoor 3121
                                                                                                                                                                                                                                                                                                                                                                                                                Herpesvirus (equine),

rector eurocytes mononudear), horses detection assays 3535.

Herpesvirus (equine) 1,
 Internationally shall be a second of the sec
                                                                                                                                                                                                                                                                                                                                                                                                                          vaccines production, antigenicity, chickens 8053
                                                                                                                                                                                                                                                                                                                                                                                                                            "eutra zation tests infection pathology, companison vancella-zoster virus

    pas simplez virus,
artifipan localization, protein A+gold cating 1750.
    artifipan localization, 22-artifipation 8-8-arabinosisanosythymine 71%
artifiying activity. 5-13-aritymore-2-oncopymentinguarine 5217.
    artifiying agents. 3-arabinosisanosy servisives 3542.

                                                                                                                                                                                                                                                                                                                                                                                                                Heteranthera dubla
                                                                                                                                                                                                                                                                                                                                                                                                                System orgy. Memoranosorus neterantherae infection 9428.
Heteropas dion annosum,
            antiviral agenta. D-arabinohuranosy derivativas 3342.
3-5-0-arabinohuranosy-2-fluoroadenine inhibition replication, Heila cella
                                                                                                                                                                                                                                                                                                                                                                                                                      well-crossaction, granosum,
Abies concloir, well-wood, inhibition 9517
butt rot, pathology, Conferales, 4179
host range, Finus ponderoise, Abies concolor 4168
foot for, suspecificity, Sosphildade pest attack. Pinus ponderoisa 5865
foots infraction, resistanciship air pollution sensitivity. Pinus strobus 5966
          7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

7104.

71
                      7104
                                                                                                                                                                                                                                                                                                                                                                                                                      Information gryothes.
Interior system may be metoprittions gyrophisa parastres incidence 2848 symbiosis. Repopular aponioum Syone may genetic analysis 6998.
                                                                                                                                                                                                                                                                                                                                                                                                              Heteroporysacchandes,
biosynthesis, Cryptococcus 1952.
Heterosportum Iridia,
                              Proprietable Series 2514 polymerase Series 2514
          DNA polymerase species TSTA 
9-2 indivinuence methologische drug resistance reviews 9952 
refected dals memories knase advery 9-2-injohovyetion/methyligi.come 
ambina advert 3963
                                                                                                                                                                                                                                                                                                                                                                                                                                                               ins germanica incidence USA Arkansas 4988
                                                                                                                                                                                                                                                                                                                                                                                                                 teterotha am.
                                                                                                                                                                                                                                                                                                                                                                                                                   **Colonianiam.
**Debnissona graminicola 4/.4
**Solonistrophilo bacteria.
**Solonistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilosistrophilo
            related travels trymore effects or 3-2-hyproxyetroxymetry guarre amoves active. T42
          america actions in selection reurons tissue outure 2490 infection resource to the processor antibody less 9696 infection, trigentines neine ganglia, reice, 9-(2-hydroxyethoxymethy) guarante trigosom readivision.
                                                                                                                                                                                                                                                                                                                                                                                                                       distribution, paddy fields 4219.
                                                                                                                                                                                                                                                                                                                                                                                                           distribution, paddy fields 4219. 
returning to media ficialized freshwater environments 3557 
retribution apprijate effects on 554 
paddy feed sold stronger fivation pessionales effects on 619 
Heterotrophic microarganisms, 
neary measuring procediminates asseming methodology 3256 
viralium eaching procediminates 2555 
Herea brasil billionals, 
solution lightness post-markes becay decay sing. Malaysia 7791 
part passeses lang disease control 5567 
more indicatorium and procediminates 5579 
services and procediminates and procedim
          replication, artificial activity, 3–11 4 director/pury/guarine, 52°E replication, 3-5-3-assumptivances/2-fuceranterine introduct, neua cella
                     7104
            security of enzyme-initial immunosuptern assa; 9653 
susceptibility anaporisy/ademine prosphonoformic and entyma activity 9078 
threat true inhobitor interaction insular place butter. Pro-
          Young memocropy and sensitivity resing association trymitate chase activity. "14"
Herpes simplex virus 1, ambres toxons 7102, ambres activit, viga rais samenes toxons 7102, antivira activiri, 2-ambres 214-metry-sulfamiloppheny-1,3-4/haddzole demanties 9560.
                                                                                                                                                                                                                                                                                                                                                                                                                      toots. Englicocorus lignosus intection pathogenesis 5879
no pathogenesis. Phellinus nonus. Rigidiporus lignosus 5081
                                                                                                                                                                                                                                                                                                                                                                                                                    orus resignance Escherichia Samonella Pseudomonas conjugation Pitadors 5000.
                                                                                                                                                                                                                                                                                                                                                                                                             Herachychonene
         generatives areas armine activity 1572 EL-5-2 commonwell-2 decryptions defined was activity 5273 El-5-2 commonwell-2 decryptions defined was activity 6273 2 decryptionglycope armine activity activities 2696 1-2 decryptions
                                                                                                                                                                                                                                                                                                                                                                                                           semerator promass monetoring Acinetobacter balcoacetous bell adhesion, methodology 5142.

2-Hexadesymololedid.
                                                                                                                                                                                                                                                                                                                                                                                                             Heusoscane
         production, structure-actively melanomers, services activity, production, structure-actively melanomaps, 5213.

Only Sensitively resting, activity, 3557.

Only Sensitively resting, assert, 5015.

1-2 Business activity activity assert, 5015.

Labourus activity activity activity activity activity activity activity activity.
                                                                                                                                                                                                                                                                                                                                                                                                           ehiasto in growth sactiera, mammakan sella 5
Heusenschutzahamyesh
danvasives structure-activity relationship 9762.
Heusenstaphospharia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            dera mammakar bels 580
          9-12-haronyetronymetrytigazine sittivital activity inhibitor reclication
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 improvabilità anticaderia adiviny outer membranes. Escherichia coli
         miscaed cella, antiviral activity, decospodophyllotown 5206, infected cells, antiviral activity, morensium 542, infected cells, antiviral activity, morensium 542, infected cells, becomportunity of decorporative activities activity association
                                                                                                                                                                                                                                                                                                                                                                                                                    proceduration Bacillus 7569
                                                                                                                                                                                                                                                                                                                                                                                                                    vietrynin promice nactivation, years 9149
         thymitine crace 3665 infactor cells, 9-12-hydronyethyliguanine effects on protein posynthesis
                                                                                                                                                                                                                                                                                                                                                                                                                    meminin promise naciviation (easis 3175)
years lineads matternation modes 9469
          3-merferor amergiam antivira agenta antivira activity vers selle
                                                                                                                                                                                                                                                                                                                                                                                                           Hezosamir case
                                                                                                                                                                                                                                                                                                                                                                                                                      provintiesis. Staphyropopous simulans, amino apids, bytoic AMP, effects or 2792
                                                                                                                                                                                                                                                                                                                                                                                                           Security Supply Dispuss a makes a mile adult system to 5000 for the Colonial Colonia
       prospection and an energy production arrives activity 20% requested arrives activity activities activity and activity activities activity activities activity activities activity activities activity activities activity activities ac
       replicator artivra activity tromantadine 1574 toewnin artivra activity 1548 thymione 5-count-2-decryundine 5-count-2-decryundine
       5-methylan no -2 decrivatione arangs attitude attitute 52.14 
threamylan energy or grecordians designates 43.12 
Young enzyme-linket minutosottent assay, monococcia anticodes 36.43
```

missed infection. Meloidogyne incognita - Rhizoctonia batatoota, effects on growth

Hibiscus esculentus, (continued)

High-performance Ilquid chromatography,
aflatoxins, fungi, milk products 3875.
analyzers, production, wine, musts, vinegar 9234.
antifungal agents quantification, serum, man 5438.
dairy products, Aspergilus aflatoxin M1 detection 7614.
detection, 9-exctoxin, Bacillus thuringlensis 6725.
Escherichia coli, fractionation, ribosomal proteins, ribosomal subunit 30S 1775.
+fluorescence, coenzyme F420 assays, methanogenic bacteria, sewage sludge 9021.
Hansenula polymorpha, alcohol oxidase inactivation, selectivity 98.
β-lactam antibiotics 9713.
Antibiotographic harfaria phospholipidis assays, environments isolates 5382.

Hansenula polymorpha, alcohol oxidase inactivation, selectivity 98. B-lactam antibiotics 9713. holipida sasays, environments isolates 5382. methanogenic bacteria phospholipids assays, environments isolates 5382. methodology, cell-free system, Streptomyces clavuligerus 1797. muramic acid, bactera biomass measuring techniques, sediments, marine environment 7252. myotoxins, contamination, feeds 4893. phages, detection Salmonella 3579. separation, poliovirus, proteins, methodology 8102. separation, poliovirus, structural proteins 7228. 4"O-tetratydro-pyraylagriamycin metabolites 9203. Trichoderma reeses cellulase 7365. High-pressure iliquid chromatography, assays, aztreonam, serum, urine 7167. detection, alatoxins, food contamination, corn, peanuts 3883. isolation, purification, Penicillium viridicatum xarithomegnin 7264. methodology, ceftazidime determination, body fuids, man 8841. methodology, penicillin N purification, Streptomyces clavuligerus 9036. sporridesmin purification methodology, Pithomyces chartarum spores 3813. Hippurica ecid, burthylies is identification. Streptomyces chartarum spores 3813.

Hippuric acid, hydrolysis, identification, Streptococcus group B 9024.

hydrolysis, identification, Streptococcus group B 9024. **Histamine**, biosynthesis, bacteria, food poisoning 121. production, Enterobacteriaceae, media (culture), seafood 2674. **Histidine**, residues, coupling factor 1, diethyl pyrocarbonate chemical modification, inactivation, Rhodospirillum rubrum 8285. residues, endo-13(4)-6-D-glucanase, photooxidation effects on activity, Flavobacterium domrataro 6477. **Histidine decarboxylase**, N-bromosuccinimide chemical modification tryptophan residues, Micrococcus 4684. prohistidine decarboxylase conversion, pentides bonds cleavage. Lactobacillus conversions and prohistidine decarboxylase conversion, pentides bonds cleavage. Lactobacillus

prohistidine decarboxylase conversion, peptides bonds cleavage, Lactobacillus

Histidinoi dehydrogenase,
fragments activity, Saccharomyces cerevisiae 2760.
Histology,
bacteria, stains, scanning electron microscopy 866.
Histopathology,
Cladosporium fulvum infection, hypersensitive response, Lycopersicon esculentum
1249.

1249
Colletotrichum fragariae infection, Fragaria vesca 422.
Crinipellis perniciosa witches broom, Theobroma cacao 398.
midgut, toxins, Bacillus sphaericus, Culicidae 1022.
Rhizoctoria solani, sheath bight, Oryza sativa 372.
viruses leafroll, Vitts virifera 429.
Histoplasma, self fluorescence, use, detection, tissues 8156.
Histoplasma capsulatum,
cell culture, formain antifungal activity 8793.
cysteine dioxygenase, purification, characterization 2811.
histoplasmosis, immunociliagnosis, antiglobulin hemagglutination test 5434.
dentification, immunociliagnosis, antiglobulin hemagglutination test 5434.
Itssues, fluorescence diagnosis, tissues 4525.

Histoplasmosis,
Histoplasma capsulatum, fluorescence diagnosis, tissues 4525.
immunodiagnosis, antiglobulin hemagglutination test 5434.

History, bacteria biodeterioration, industries, conferences 4754.

Holothuroidee, irriteriore de la companie de la com

purification, characterization, Saccharomycopsis ipotynca side.

Moneydew,
fields, Aphididae, Trilicum 3001.

Stobion avenae, + bardey yellow dwarf virus infection effects on pathogenicity,
Cladosporium infection, Hordeum vulgare, Triticum aestivum 3934.

Mop latent virus,
infection, Humulus lupulus, host range, purification, characterization 3037

Hop stunt disease virus,
cytopathology, Humulus lupulus 6797.
infection, plants, localization, leaves cells 313.

Hop stunt viroid,
infection, cytology, Humulus lupulus, Cucumis sativus 3039.

Hops.

aflatoxins contamination 2937

attatoxins contamination 2937

Hordaum,
barley stripe mosaic virus, disease transmission, Avena fatua 3002.
brown rust, carbon translocation 6769.
cell culture, Mortierella infection 1177.
disease resistance, genetic analysis, Erysiphe graminis powdery mildew 8627.
ergot, epidemiology 1151.
Erysiphe graminis infection, pathogenicity, association, tridemorph treatment
485.

485.
Erysiphe graminis powdery mildew, treatment, drug resistance 2126, footrol pathogens antagonism, Pseudocercosporella herpotrichoides, Fusarium, Rhizoctonia cerealis 1148.
fungicides treatment effects on fungi microflora 7766. infection, powdery mildew survival, reproduction 358. leaf rust, disease resistance genes, histology 2265. loose smut, Ustilago nuda virulence genes 4967. introgen-fixing bacteria activity, acetylene reduction 1497. plant diseases, fungicides treatment 497.

Hordeum, (continued)

powdery mildew disease resistance 482. powdery mildew Erysiphe graminis, disease resistance, genetic analysis 471. Pseudocercosporella herpotrichoides infection, epidemiology, seasonal vanations

Puccinia horder infection, haustoria formation 2133 rhizosphere, rhizoplane, nitrogen fixation, relationship, Spirillum lipoferum

Rhynchosporium secalis infection, herbicides effects on spores quantity Hordeum Rhynchosporium secalis leaf blotch, disease control, antifungal agents treatment

tíming 488. seed treatments, fungicides, disease control, Cochliobolus sativus infection

(15, horder, Erysphe graminis, disease resistance association leaves developmental stages 483.

Hordeum distlichon,
vesicular-arbuscular mycorrhizas, role, growth, nutrient uptake, Denmark 5905.

Hordeum murinum, wheat dwarf virus infection 2120.

Hordeum pusillum, glume blotch, symptoms, Septoria nodorum isolation, characterization, infectivity

fertility, association disease resistance, fungi pathogens 6759. Hordeum vulgare,

refminy, association insease resistance, may pain-ogne or 79, age, growth rate, carbortydrate composition, amino acid composition, association, disease resistance, powdery mildew 6857.
barley stipe mosauc rough of the composition of 779, barley stipe mosauc rough of the composition of 779, barley stipe mosauc rough of the composition of 779, barley yellow dwarf virus, infection, disease transmission, vectors, Aphididae 9341, barley yellow dwarf virus, infection, effects on, Sitobion avenae, Rhopalosiphum pad, disease transmission 5729.
barley yellow mosaic virus, disease transmission 5729.
brome mosaic virus infection, 2,4-dioxohexahydro-1,3,5-tnazine+ guanidine antiviral activity 6866.
calcium intrate, potassum phosphate, effects on, disease resistance, powdery mildew, Erysiphe graminis 378.
Cladosportum infection, Stobion avenae honeydew-barley yellow dwarf virus infection effects on pathogenicity 3934.
coleoptile, penetration, powdery mildew, Erysiphe graminis f.sp.hordei 3947.
contamination, ochratoxin A, Aspergillus ochraceus, detoxification, feeding, pigs 7623.

7623. contamination, ochratoxin A, Aspergillus ochraceus, kidney, lesions, pigs 7622. cultivation, soils, dentrifying bacteria incidence, identification 6956. defense mechanisms, powdery mildew. Erysiphe grammis f.sp. hordei 6838. detection, brome mosaic virus, barley stripe mosaic virus, immunodiffusion, enzyme-linked immunosorbent assay 6757. disease control, mildew. brown rust, nitrogen fertilizers, fungicides 5838. disease resistance, Erysiphe grammis f.sp. hordei infection, genetic control

6840

disease resistance, Erysiphe graminis f.sp.hordei infection, association, MI-a locus 8611

disease resistance genes, selection, virulence, Erysiphe graminis f.sp.hordei, powdery mildew 8550.
disease resistance, genetic analysis, virulence, Erysiphe graminis f.sp.hordei

8607

disease resistance, Pa gene, rust, Puccinia horder 1349.
disease resistance, scald, Rhynchosporium secalis, genetic analysis 451.
Drechslera teres pathogenicity 1181.
Erysiphe graminis f.sp.horder infection, conidia dispersal, Denmark 2128.
Erysiphe graminis f.sp.horder infection, pathogenesis, morphology association 4957.

esterase, proteins, disease resistance, powdery mildew, Erysiphe graminis t.sp.horder 4060.

Fusarium culmorum infection, role, Fusarium culmorum infected roots, crop residues 3961.

Gaeumannomyces graminis, infection, inoculation, methodology 3949, glume blotch, Septona nodorum, pathogenicity 3021, grain, cytokinins levels, relationship, disease resistance, mildew, Erysiphe graminis 2249.

grammins Ze49.

host-pathogen interactions, Erysiphe grammins f.sp.hordei 9347.

leaf blotch, Rhynchosporium secalis 572.

leaf blotch, Rhynchosporium secalis 572.

leaf blotch, Rhynchosporium secalis 572.

leaf blotch, Rhynchosporium secalis 72.

leaf blotch, Rhynchosporium secalis 72.

leaf strip. Decembers or services disease spread speed trackmonth officies as a leaf strip. Decembers or services disease spread speed trackmonth officies as a leaf strip.

leaf stripe, Drechslera graminea, disease spread, seed treatments, effects on

leafspot, Aschochyta avenae, pathogenicity, climatic conditions 8549. leafspot, Drechslera teres 1173. leafspot, symptoms, Septoria nodorum isolation, characterization, infectivity

leading to the control of the contro

rhabdovirus infection 2118.

Trabouvirus filteroni 2-10.
Tool rot, Iplanting density effects on, Cochliobolus sativus 7674, roots, coleoptile, Rhizoctonia solani, penetration 2132. roots, Erysiphe graminis infection 355. roots growth, translocation, water stress, powdery mildew, Erysiphe graminis f.sp.hordei 3935

rust, interaction, barley yellow dwarf virus, Puccinia hordei, pathology 344.

Hordeum vulgare, (continued) seed treatments, leaf stripe, Pyrenophora graminea 1435. seed treatments, use, phenylmercuric acetate, effects on Fusarium nivale

infection 845, seeds, heat treatments, disease control, Pyrenophora graminea, Pyrenophora teres. Host specificity, infection 1430, seeds, heat treatments, disease control, Pyrenophora graminea, Pyrenophora teres. Host specificity, infection 1430, seeds, heat treatments, disease control, Pyrenophora graminea, Pyrenophora teres. Host specificity, infection 1430, seeds, heat treatments, disease control, Pyrenophora graminea, Pyrenophora teres. Host specificity, infection 1430, seeds, heat treatments, disease control, Pyrenophora graminea, Pyrenophora teres. Host specificity, infection 1430, seeds, heat treatments, disease control, Pyrenophora graminea, Pyrenophora teres. Host specificity, infection 1430, seeds, heat treatments, disease control, Pyrenophora graminea, Pyrenophora teres. Host specificity, infection 1430, seeds, heat treatments, disease control, Pyrenophora graminea, Pyrenophora teres. Host specificity, infection 1430, seeds, heat treatments and the properties of the pyrenophora graminea, Pyrenophora teres. Host specificity, infection 1430, seeds, heat treatments are pyrenophora graminea, pyrenophora graminea, pyrenophora teres. Host specificity, infection 1430, seeds and pyrenophora graminea, pyrenopho

spot, "yenopriora teres r.sp.ma.orunita 5703.
varieties, disease resistance, powdery mildew, mechanisms 4089.
viruses infection, guanidine treatment 1198.
viounds, ethylene production, Drechslera graminea infection 1183.
vield, powdery mildew, disease control, models 7671.

leaf blotch. Rhynchosporium secalis 5730

Normones,
P-factor, penicilikum cyclopium 3705.
mutants, Triticum aestivum, yield, relationship, Azospirillum inoculation 5944. Phorses, bacteria isolation, media (selective), contagious equine metritis 862. bacteria isolation, media (selective), contagious equine metritis 862. Jeukocytes (mononuclear), herpesvirus (equine) infection, detection assays 3535.

antiseptics, bacteria disinfection 5347. antiseptics, bacteria disinfection 5348. bacteria isolates, antibiotic resistance 8732. bedding, bacteria contamination 1731.

Clinical isolates, Escherichia coli, Staphylococcus aureus, drug resistance, mercury 662. disinfectants antibacterial activity 4459. disinfectants antibacterial activity 4459. disinfectants.

disinfection, germicides 9821.

siolates, Staphylococcus aureus, antibiotic resistance, gentamicin, methicillin, plasmids role, Eire 7032.

laundry, washing, water temperature effects on bacteria 3498.

Legionella pneumophila colonization, relationship hot water temperature 8972.

Legionella pneumophila eradication, ozone use 4460.

man, disinfection, association, nosocomial infection 3508.

man, respiratory tract isolates, Aspergillius flavus, airborne microorganisms, relationship, buildings, construction 3493.

personnel, environmental hygiene, operating theaters 803, relationship gram-negative bacilli drug resistance 8737.

Staphylococcus aureus isolation, antibiotic resistance, antibiotic sensitivity testing 8980.

testing 8980.

treatment pools +U.V. radiation, microflora, incidence, Naegleria 798.

wastes, waste disposal, hygiene, infectious diseases 799.

water isolates, Legionella longbeachae, Legionella pneumophila, Europe 6263.

ost planta,

Ardium lange, table.

Arctium lappa, tobacco ringspot virus 6823. brome mosaic virus, British Isles 3960. cell recognition, Rhizobiaceae, host range, association, plasmids 5937. Circulifer tenellus feeding, vectors, disease transmission, Spiroplasma citri 4920

genotypes, effects on urediniospores, Puccinia arachidis inoculation, Arachis

genotypes, ellects on diediniospores, Puccinia arabinais inoculation, Arabins hypogeae 5883.

mycornizas infection, ultrastructure, cytology 9536.

Phomopsis, Amaranthus spinosus, Leonotis nepetaefolia, leonurus sibiricus, new records, Brazil 6826.

roots, nutrient transport, physiology, vesicular-arbuscular mycorrhizas 9537 Sclerotinia, virulence, Xanthium pensylvanicum 5753.

ost rangs, Agrobacterium tumefaciens agrocin, purification, biological control, crown gall 4716.

Agrobacterium tumefaciens agrocin, purification, biological control, crown gall 4716.

Agrobacterium tumefaciens, crown gall, plant cells binding 2977. alfalfa mosaic virus, plant diseases, Lycium 3085.

Ascomycetes, India 7645.

Ascomycetes, India 7645.

Bean yellow mosaic virus, Gramineae 1155.

bean yellow mosaic virus, Gramineae 7666.

carlavirus infection, Solanaceae 408.

cassava common mosaic virus, Gramineae 7666.

carlavirus infection, Solanaceae 408.

cassava common mosaic virus, disease transmission, Manihot esculenta 1232.

Collebtrichum trifolii, Leguminoseae 1139.

comovirus, pathogenichty, crops 2172.

Conidicarpus penzigi infection, plants, pathogenesis 3992.

Eutype armeniacae, plants, Australia 3900.

R lactors, man, normal subjects 7882.

Heterobasidion annosum, Pinus ponderosa, Abies concolor 4168.

hop latent virus infection, Humulus lupulus 3037.

Hungarian Datura innoxis mosaic virus, infection, Solanaceae 3077.

maize chlorotic mottle virus, Gramineae 4949.

maize streak virus, Gramineae 6778.

mung bean yellow mosaic virus, Thalland 6813.

okra mosaic virus, plants 3905.

Peronoscierospora philipipinensis, comparison, Peronoscierospora sacchari,

Gramineae 6753.

Gramineae 6750.

cararineae 6753.

Phytophora megasperma, morphology, pathogenicity 3904.
Phytophora megasperma, morphology, pathogenicity 3904.
Phytophora canamomi infection, callose, formation, plants 3901.
plant diseases, affaifa mosaic virus, New Zealand 9317.
plant viruses, plants, New Zealand, arabis mosaic virus, tomato spotted wilt virus 6731.

Pseudomonas solanacearum, wilt, Solanaceae 2232.
Pseudomonas syringae pv.tagetis, chlorosis, Compositae 1304.
Rhizobiaceae, plasmids, association, host plants cell recognition 5937.
Rhizobium japonicum, nodulation, cultivars, Glycine max 7841.
rice tungro virus, Oryza, Nephotettix virescens, Nephotettix nigropictus vectors

4951

rice yellow mottle virus, Gramineae 8555. Septoria nodorum, spore germination, pathogenicity, Triticum aestivum, Hordeum

Septina nodorum, spore germination, pathogenicity, Triticum aestivum, Horvulgare 3019, specificity, Phizobium, association Trifolium repens nitrogen fixation 602. tobacco mosaic virus, Gesneriaceae 9421. tobacco mosaic virus, plants, association defoliation 4024. tobacco streak virus infection, Helianthus annuus, pathology 9430. tobacco streak virus, isolation, Solanum tuberosum 1290. tobacco streak virus, isolation, Solanum tuberosum 1297. Tranzschelia discolor, rust, sporulation, Prunus domestica subsp.nisritia 3967. tumip mosaic virus 2179.

Host range, (continued) turnip mosaic virus, cauliflower mosaic virus, immunodiagnosis 4983.

watermelon mosaic virus 2, Jordan 1247 white clover mosaic virus strains 2995

Erwinia amylovora amylovorin, Cotoneaster pannosa, spiraea vanhouttei, Malus

pumia 3371.

Pucchia menthae infection, Mentha, rust, pathogenicity 431.

Rhizobium japonicum symbiosis, Glycine max 2369.

tobacco streak virus infection, plants 1126.

yeasts, isolation, trees exudates 2295.

Host-parasite interactions,

24566 circum averaged utilizations rule aromatic com-

Botrytis cinerea, grey mold, ultrastructure, role aromatic compounds production, fruits, Vitis vinifera 9402.

Helminthosporium maydis, Helminthosporium carbonum, etiolation, seedlings, Zea mays 3015

mays 3015. Myxobacter, Micrococcus luteus, survival, soil 9569.
nematophagous fundi, Panagreflus redivivus 9550.
Pseudomonas replication, Nicotiana tabacum, factors affecting 5816.
purines biosynthesis, bredinin antimalarial activity, man 1599.
Pyricularia oryzae, Oryza sativa phytoalexins, isolation, identification 6849.
Host-pathogen Interactions, Atkinsonia ligustrina, haustoria, xylem transport, Loranthaceae 5790.
Cochilobolus carbonum inoculation, Zea mays 382.
dissasse resistance. enemici factors. olatis 488.

Cocinidorius cardonium indiculation, ¿ea mays 3oz.
disease resistance, genetic factors, plants 468.
Erysiphe graminis f.sp.hordei, haustoria, Hordeum vulgare 9347
Phragmidium violaceum rust, Rubus fruticosus, analysis methodology 9440.
Phytophthora megasperma f.sp.plycinea infection, Glycine max, disease resistance

8615 s, epidemiology, genetic factors, disease resistance, books 9998. plants 8185

Spiroplasma, plants 5665.

tobacco mosaic virus, disease resistance, Nicotiana tabacum 2170. tobacco mosaic virus, tomato mosaic virus, ribgrass mosaic virus 2094. uttrastructure, Cronartium flaccidum infection, Pinus pinea, Pinus pinaster 5088.

Hot-boning, beef, abattoirs, bacteria contamination, cold storage 244. Household products, disease transmission, rhinovirus, man 804.

Houses, contamination pathogens, bacteria 4500.

Housing, pigs, dust, endotoxins, fungi, bacteria 7638

Hoya carnosa, leafspot, Myrothecium roridum 5747.

Human Impact, motor vehicles, tundra soil, arylsulfatase activity, soil moisture, USA, Alaska 6951.

trampling, soil microorganisms, population levels, forests 4133.

Humic acids, decomposition, soil microorganisms 1476. +3,4-dichloroaniline, complex, mineralization, microorganisms 4745. Micrococcus luteus cell walls interaction, effects on lysozyme activity 590. oxidation, fungi, soils (organic) 5925, paet biodegradation, anaerobic conditions 9264. Humicola fuscostra, lignin biodegradation, Pinus, straw 171. Humicola grissa, microsition, wood volatilies 3765.

Humicola grisea, chemotropism, association, wood volatiles 3765.
Humicola Insolens, post-harvest decay, tobacco leaves, association storage 8599.
Humicola lanuginosa, cellulase, purification, characterization 8258.
lignocellulose biodegradation 6641.
Humidity, chambers, fungi pathogens, foliage 4523.
Colletotrichum graminicola, Helminthosporium maydis, spores, application, Zea mays, leaves, methodology 9081.
effects on, carbon dioxide, production, soil microorganisms 577.
effects on, oleandomycin phosphate crystallinity 8862.
Humification, plants, soil amendment 2324.

plants, soil amendment 2324

Humulus,

Verticillium infection, pathogenesis, susceptibility 2193.

Humulus humuli, downy mildew, Pseudoperonospora humuli, epidemiology, weather 3087. Humulus lupulus,

umulus lupulus, cytology, hop stunt viroid infection 3039. downy mildew, Pseudoperonospot humuli, disease control, fungicides 1403. hop latent virus infection, host range, purification, characterization 3037. hop stunt disease virus (cytopathology 6797. hop stunt disease virus infection, localization, leaves cells 313.

Dictyostelida, ecological distribution, forest floor 5849.

florest floor, thiosulphate sulphurtransferase activity, soil microorganisms 7777.

formation, soil, role melanins, Coprinus, chemical composition 9218.

phosphate complex, actionomycetes, fungi, nutrient availability, fertilization, agricultural land 9625.

soil properties, pollitiding, effects, and processing of the processing

soil properties, pollution, effects on, lead, enzymatic activity, metabolism

Hungarian Datura innoxia mosaic virus, infection, cytology, host range, Solanaceae 3077.

Hungary,
Diaporthe phaseolorum var.sojae infection, Phomopsis sojae, new records 7657.
Triticum aestivum, stem rust, disease resistance 7735.
Zea mays, maize dwarf mosaic virus infection, disease resistance 7745.

Hyalophora cecropia, cecropin, antibacterial activity, Escherichia coli 1551. Hyaluronic acid,

ffects on lipoxygenase biosynthesis, Pseudomonas 7412. Hybridization,

DNA, measuring techniques, Triticum stem rust disease resistance 449. DNA, methodology, Yersinia enterocolitica detection enumeration, food

Hybridization, (continued)

contamination 9049.
Saccharomyces cerevisiae, protoplast fusion, genetic engineering, association,

ethanol production 8402.

elhanol production 8402. selection, yeasts pure culture, wine fermentation, sulfur dioxide tolerance 147, yeasts pure culture, wine production 140. Hybridization analysis, detection, enterotoxins, Escherichia coli 4903. detection, tobacco rattle virus, Solanum tuberosum tubers, Narcissus 6808. methodology, plant viruses, Vicia faba tissues 9865. methodology, RNA 5-terminus, plant viruses 9867. nucleic acids, antiviral agents activity measurement, cytomegalovirus DNA biosynthesis 8798.

biosynthesis 8798. viruses, DNA, RNA, detection, plant cells 6299.

Hybridoma, monoclonal antibodies production, Bacillus thuringiensis δ-endotoxin 305.

Hybrimycins, mass spectroscopy 5244.

Hydrangea, diagnosis, infection, Mycoplasma-like organisms, viruses 2185. Hydrangea macrophylla, association weeds, tornato spotted wilt virus detection 5016.

hydrazine, bactericidal activity, Enterobacter cloacae, kinetics 9677. derivatives, Basidiomycetes metabolism, toxicity, mutagenicity, Salmonella typhimunum, correlation, animals 1095. hydrazino-ritemycine, synthesis 4390.

derivatives, antibacterial 2561

hydrocarbon-degrading bacteria, ammo acids production 8195, benzothophenes, dibenzothophenes, biodegradation, oil dispersants effects on

freshwater environments, hydrocarbons emulsification 5143.

freshwater environments, hydrocarbons emulsification 5143. Hydrocarbons, ounds, biodegradation, Cunninghamella elegans, bacteria 3263, aromatic compounds, metabolism, microorganisms, estuaries sediments 5145. Bejerinckia, biodegradation, plasmids association 5144. biodegradation, Mycobacterium 7869 biodegradation, Mycobacterium 7869 biodegradation, sediments, oil installations, marine environment 2392. Cancida guillermondii cell walls, effects on high molecular weight glycoproteins

conversion, Pseudomonas oleovorans, epoxides production association 9631. conversion, Pseucomonas oleovorans, epoxioes production association 9195. degradation, hydrocarbon-degrading bacteria, amino acids production 8195. emulsification, hydrocarbon-degrading bacteria, freshwater environments 5143. gas production, anaerobic conditions, soil microorganisms, soil types 9567. hydrocarbons, Arthrobacter simplex single-cell protein, nutritive value, rats

7597.
ovidation, methylotrophic bacteria 5146.
production, anaerobic bacteria, cattle feces fermentation 5138.
production, Zymomonas mobilis, glucose conversion 4261.
Pseudomonas, emulsifiers, solventis 9632.
Pseudomonas oleovorars, conversion, characterization, methodology 8720.
snigle-cell protein production, fungl 4789.
utilization, amino acids production, soil microorganisms 7284.
utilization, Candida guilliermondi 7866.
utilization, factors affecting, Lodderomyces elongisporus continuous culture 4264.

429.

utilization, Pseudomonas aeruginosa 7021.

utilization, valine production, Micrococcus varians 7286.

persus, gas chromatography, methodology 7271.

Dep-tydrocarboxylle acid.

bydrocarboxylle acid.

3726.

Hydrocortisone-17α-ecetate,
Arthrobacter simplex, conversion prednisolone-17α-acetate, conversion pregnisolone triacetate, Flavobacterium dehydrogenans 5529.

Arthrobacter simplex, conversion prednisolone-17α-acetate, conversion pregnisolone triacetate, Flavobacterium dehydrogenans 5529.

Hydrocyanic acid,
production enzymes, Pseudomonas, fractionation methodology, column chromatography+detergents, anaerobic conditions 4505.

Hydrodictyon reticulature,
Tatraselmis, mixed culture, environmental conditions effects on fermentation 2658.

2858. Hydrodynamics,

adenosinetriphosphatase, fluorometry, thermophilic bacteria 1879. ribosomal protein L29, ribosomal protein L30 tertiary structure, Escherichia coli

1838

tryptophan synthase quaternary structure, Escherichia coli 1871. **Hydrogen**,

biosynthesis, association, growth, Citrobacter intermedius, Clostridium

pasteurianum 124.

gas production, Enterobactenaceae, formate conversion 4708.

gas production, Enterobacteraceae, formate conversion 4708, gas production, relationship acetylene reduction, nitrogen fixation, Rhizobium leguminosarum, Pisum sativum 9585, gas production. Trifolium repens, nodulation, Rhizobium trifolii 3245. intermediates, organic matter biodegradation, bacteria 2011. metabolism, Glycine max, nodules, Rhizobium japonicum 6979, methane, termentation, straw+lood wastes substrates 5995. oxidation, hydrogenase, soil mostiture, soil 5917. production, rimmobilized cells, Clostridium butyricum, glucose 1976. production, microorganisms, immobilized cells, reviews 6607. production, recycling, Rhizobium japonicum introgen fixation, Leguminosae 5936. production, Rhizobium, nutrient dynamics, carbon, nitrogen, Vigna unguiculata 4247.

production, Rhodopseudomonas 125.

production, Rhodopseudomonas capsulata, carbon sources, lactic acid, acetic acid, butyra acid 746 production. Rhodopseudomonas capsulata, substrates, lactic acid, acetic acid, acetic acid.

production, Rhodopseudomonas sphaeroides, batch culture 1980. production, Rhodospirillum rubrum illumination, nitrogen sources analysis 8366.

Hydrogen, (continued)

yaruşan, (conuntad) recycling, Rhizobum leguminosarum, symbiosis, Pisum sativum, effects on nitrogen fixation 3229. release. Cajanus cajan nodules, Rhizobium japonicum nitrogen fixation 7858. uptake, Rhizobium japonicum, Glycine max nodules, effects on nitrogen fixation

uptake, Vigna mungo Rhizobium, relationship, nitrogen fixation 7002. Hydrogen bacteria,

rerogen pacterra, activity, population dynamics, relationship, flooding, oil deposits 2387. carbohydrates metabolism pathways, incarboxylic acid cycle, enzymes 123. 2-methylthio-1,4-naphthoquinone structure 6619.

2-metnytthio-1,4-naphthoduinone structure 6619.

Hydrogen cyanide,
productions, bacteria, detection methodology 3567.
Pseudomonas contamination, fungi cyanogenesis assays 3556.
Hydrogen dehydrogenase,
Alcaligenes eutrophis, +lactate dehydrogenase, immobilized enzymes, use, NADH
regeneration 8314. Hydrogen peroxide,

antibacterial activity, antifungal activity 7088. antibacterial activity, Bacillus cereus spores, dimethyl sulfoxide, EDTA, effects on 8772.

effects on chemical speciation, mercury, aquatic environment 1516. formation, phosphates buffers, electric currents, cytotoxicity, Escherichia coli

preservatives, antifungal activity, Candida, contact lenses 709. reaction hydroxylamine oxidase heme P-450, mechanisms, Nitrosomonas europaea

santizers, sterility, medical equipment 5227

samizers, sterrity, medical equipment 5227.

+ sodium bicarbonate, effects on oral microflora, periodontitis, man 5353.

+ sodium chloride, dental plaque, man, tootribrushing companson 8075.

+ thicoyanate + lactoperoxidase effects on cheese fermentation 4809.

+ thicoyana caid, preservation fermented milk products, spoilage, psychrotrophic bacteria 6685.

hydrogen suffide, obsolvential suffice production and suffice obsolvential sufficient obsolventi

production detection, fecal microflora, microoiai ponuion, drining mass, production detection, fecal microflora, microoiai ponuion, drining, drinin

aldehydes, Clostndium, immobilized cells 10.

alternyus, visual and a second a

Hydrology,
Escherichia coli, coliforms, microbial pollution, rivers 1724.

escherichia coil, coliforms, microbiai poliution, rivers 1724.

Hydrolysates,
Pinus radiata, Populus tremuloides, use, Pachysolen tannophilus, ethanol production 8411. Pinus radiata, use, Clostndium acetobutylicum, 1-butanol production 8390. wood, acids, ethanol fermentation, Saccharomyces cerevisiae 4734.

wood, acids, ethanol fermentation, Saccharomyces cerevisiae 4734. Hydrolysla, 1-acetoxy-2.3-dichloropropane, asymmetry, bacteria, yeasts, molds 158. animal wastes, products, inhibition, yeasts, growth 4305. association, straw biodegradation, rumen microorganisms 4751. cellobiose, salicia, Trichoderma, immobilized cells, 8-glucosidase 3791. cellulose, cellobiose dehydrogenase, Chaetomium cellulolyticum 8253. cellulose, Cellulase, Aspergillus aculeatus 3699. cellulose, Clostridium acetobutylicum, Klebsiella pneumoniae, fuels production 2018.

2018.

2018 cellulose, ethanol production, Pencillium funiculosum+ Saccharomyces uvarum 8401. cellulose, kinetics, cellulase, Trichoderma viride, Trichoderma reesei, Aspergillus niger 3789 cellulase, Trichoderma reesei enzymes activity 1056. collagen, factor affecting, actinomycetes soil isolates 7562. collagen, factor affecting, actinomycetes soil isolates 7562. collagen, factor affecting, actinomycetes soil isolates 7562. endo polygalacturonase characterization, Trichosporno penicillatum 91. enkephalin, Pseudomonas, Chromobacterium violaceum, enzymatic activity, bestatin analogs effects on 7551. gelatin, proteinase, Aspergillus sojae, carbon sources, nitrogen sources 8309. hemicellulase, Trichoderma reesei cellulase 9157. hemicellulose, biomass conversion, percolation reactors, mathematical models 9194.

homicellulose, Klebsiella pneumoniae, production, 2,3-butanediol 3739.
inulin, Cynara scolymus, Kluyveromyces fragilis inulinase characterization 71.
inulin, 2,1-B-D-fructan fructano-hydrolase, Pichia polymorpha, immobilized cells 6495

indum, 2-19-ph-funcian inclaim fury/urolasse, Pichia polymorpha, Immooilized cells 6495
β-lactamase, Morganella morganii, cephalosponns, derivatives, structure-activity relationships 5241.
lactose, whey, β-D-palactosidase 8471.
malathion, Arthrobacter, arczymes, characterization 8416.
oleuropein, products antibacterial activity, Lactobacillus plantarum 7925.
parathion, soil, mele, Bacillus, Arthrobacter 160.
parathion, soil, mele, Bacillus, Arthrobacter 160.
parathion, soil, mele, soil microorganisms 155.
pentosans, surimes systems 9262.
polyoxyethylene sorbitan monooleate, esterase, purification, characterization, Mycobacterium smegmatis 8265.
starch, exo-1, 4-a-D-glucosidase, Trichoderma viride 6499.
starch, schammiomyces alluvius, derepression mutants 8452.
starch, Schammiomyces alluvius, derepression mutants 8452.
sucrose, glucose, effects on, Zymomonas mobilis 6654.

tydrolysis, (continued) hydrohyals, (continued)
sucrose, immobilized enzymes, bioreactors 9285
sucrose, Saccharomyces cerevisiae, immobilized cells 3827.
sugar. Aspergillus niger polygalacturonaes 4684,
sugar beets cellulose. Talaromyces emersoni cellulase 915.3.
Trichoderma reasei cellulase. Helianthus annuus seeds coats,
autohydrolysis-explosion pretreatment effects on 9138.
Tween 80, mycobacterum esterase, purification, physicochemical properaties 8259
wood pulp, Trichoderma reesei cellulase 9258.
hydrophobic Intrarection chromatography,
phosphoenoloyruvate carboxylase purification, Eschenchia coli 965.
hydrophobic lity,
politovirus, adsorphon, filters, salts effects on 3469.
hydrophobic 9-(2-Hydroxyethoxymethyl)guanine, (continued) 2-Hydroxyethyl methacrylate, immobilization, Streptomyces phaeochromogenes 9981. 8-α-Hydroxysthyl-2-acetoxymethyl-2-penem-3-carboxylate, antibacterial activity, staphylococcus 1611. D-β-Hydroxylaobutyric acid, penylarvyrasuryric scru, candida rugosa, mutants, production 4583.

2-hydroxylugione, biast, Oryza sativa, effects on Pyricularia oryzae pathogenesis 5827.

Hydroxylamine, dealigenes, nitric-oxide reductase, nitrate reductase, soil dennification. Acaligenes, nitric-oxide reductase, nitrate reductase, soil hydroponics, culture, Gigaspora margarita, mycorrhizas, Trifolium repens 2716. Glycine max, factors affecting, Phytophthora megasperma var sojae infection 349 hydroxylamine oxidase, mechanisms, heme P-450 reaction carbon monoxide, hydrogen peroxide, Nitrosomonas europaea 8282. Hydroxylation, alkanes, alkenes, methylotrophic bacteria 4761. 4-androstene-3,17-dione, Corynebacterium, immobilized cells 6565. bile acids, anaerobic bacteria 2892. biodegradation, fungi, bactena, yeasts, activated sludge 8427 bodegradation, fungi, bactena, yeasts, activated sluc-t-Hydroxy acid, production, bacteria, soil microorganisms 2743. 5-Hydroxy-D-incortine oxidase, assays Eschenchia coli, Arthrobacter oxidans 6531. 8-Hydroxy-kaurenolidea, biosynthesis Gibberella fujikuroi 2853. 5-Hydroxy-I-nicotine oxidase, assays, Eschenchia coli, Arthrobacter oxidans 6531. 1-Mydroxy-1-ohenviluropanona. une actives, enacroince dacteriar cosz.
compactin, Mucor hiermalis, 3a-hydroxycompactin biosynthesis 8872.
11-desoxy-17-hydroxycorticosterone, association, oxygen 4696.
18-hydroxydeoxycorticosterone, Streptomyces roseoctormogenes 2815.
hydroxymethylgiutaryl-CoA reductase (NADPH) inhibitor, Zygomycetes, Nocardia assays, Eschenenia coli. Arthropacter oxidans 6531.

Hydrory, 1-phenylipropenone,
production, Saccharomyces carlsbergensis, pyruvate levels, pyruvate decarboxylase
activity, efficats on 7501.

Hydroxy-2,4,6-trimethoxyphenanthrane,
Dossoriea rotundata extracts, annithringal activity 3339.

Hydroxy-3-43-methyt-2-buteniliji,4-naphthoquinone,
anitivial activity 1106.
anitivial activity 1106.
synthesis 3737.

Hydroxy-4-hydroxymethyliphenyligitycine,
synthesis 3737. Mucor hiemalis, compactin, monacolin K 7552. proline, mutants, Streptomyces griseovindus, viridogrisein analogs production steroids, glucose, effects on, Pelliculana filamentosa 6564, steroids, Pellicularia filamentosa 109. roids, use, microorganisms, reviews 7218. N-Hydroxylcephalosporins, synthesis 5245. Hydroxymethylglutaryl-CoA reductase, Pseudomonas 8227. synthesis 3/37

- Hydrony - Amethyl-2-ketoglutarate aldolase,
ourfication characterization. Pseudomonas putida 6429

- Hydrony - 6-methosynchistri.
production. 7-ethosycoursant botransformation. Streptomyces gnseus 7493.

- Hydrony - 7-ab--sar daracoop/maradiene,
phytoalexins. Oryza sattiva. Post-parasite interactions, Pyncularia oryzae,
isolation. identification 6494.

- Hydrony vaciacinomycin. A. Pseudomonas 8227.

Hydroxymethyligitaryl-CoA reductase (NADPH),
purification, characterization, yeasts 8226.

Hydroxymethyligitaryl-CoA reductase (NADPH) inhibitor,
hydroxylation, Zygomycetes, Nocardia 8455.

3-Hydroxymethibalen-2-carbonylamino acids,
+ dipeptides derivatives, synthesis, antibacterial activity 8755.

7-M-(p-Hydroxyphanylmitomycin C,
antiviral activity, phages inactivation, effects on DNA 1581.

3-Hydroxympopionaldehyde,
production, Lactobacillus, companson, Klebsiella pneumoniae
B-Hydroxympopional activity. Phydroxys-T-oxo-sandaracophilistication 6849.

Hydroxyselacinomyein A synthesis antitumor activity geneae, stratumor activity geneae, adenosine nucleotides. Cibacron blue, phosphate, metals inhibition, Pseudomonas fluorescens 7402.

apoenzymes, purification, Pseudomonas fluorescens 7402.

apoenzymes, purification, Pseudomonas fluorescens 7402.

apoenzymes, purification, Pseudomonas fluorescens 1880.

Hydroxybrazyl-bearzimidizola, antiviral activity, tomato mosaic virus 7951.

Hydroxybrazyl-bearzimidizola, antiviral activity, phages inactivation, 5452.

Hydroxybrazyl-bearzimide, proportical activity, phages inactivation, based antivirus activity, phages inactivation, 5452.

Hydroxystreolid dehydrogenaee, bloymheais 9184.

Altydroxystreolid dehydrogenaee, perfects on Saccharomyces invertase biosynthesis 9184.

Altydroxystreolid dehydrogenaee, perfects on Caracterization, hardinary Streptomyces, biosynthesis, antibacterial activity, 4401.
Hydroxycourmarth, production, 7-ethoxycourmann biotransformation, Streptomyces ginseus 7493.
Hydroxydecanoyt ffiloeater dehydratase, purification, characterization, Escherichia coli 54
8-hydroxydeoxycorticoeterone, Streptomyces roseochromogenes, hydroxylation 2815.
a-Hydroxydihydrotilludin, structure Citiosybe illudens 3729
1/2-Hydroxyethoxymethyliguanine,
a-mphotenion B. antiviral activity, pseudorabies virus infection, BHK-21 cells 3/261. 7-Hydroxytropolone, inhibinon bacteria aminoglycoside-2"-O-adenyttransferase, association, artibiotic resistance 652.
16-Hydroxyverrucarin A, production, verrucarin A transformation, Rhizopus arrhizus 7503.
18-Hydroxyverrucarin B, production, verrucarin B transformation, Rhizopus arrhizus 7503.
Hydroxyverrucarin B transformation, Rhizopus arrhizus 7503. production, ventue and the production of the products, microorganisms food contamination 4846, desiral plaque, dental caries, bacteria, children 2642, desirection, water temperature, dishwashers 4455. antiviral activity, cytomegalovirus 8796. antiviral activity, herpes simplex virus infected cells, thymidine kinase activity 3363. antiviral activity, herpes simplex virus infected fibroblasts, thymidine effects on 7942 disinfection, water temperature, dishwashers 4455, feeds, association mycotroins contamination 4889 food processing, seafood food contamination Staphylococcus aureus 3858, hospitals wastes, inflictious diseases, waste disposal 799. kitchens, pasta, food poisoning, Clostridium perfingens, man 7576, man, milk contamination, bacteria 5351, meat industry, occupational exposure, sepsis, Streptococcus, man 2634, milk products, membranes ultrafiltration, bacteria 4791, milking machines, bacteria enumeration, direct epifluorescent filter technique 6270. antiviral activity, herpes simplex virus, Vancella-zoster virus, Epstein-Barr virus 9697 antivirai activity, herpesvirus 7099 antivers activity, herpesvirus 7099.
antivers activity herpesvirus, mechanisms, reviews 9696.
antiversal activity, inhibition, herpes simplex virus 1, herpes simplex virus 2, replication 7112.
antiversal activity, replication, herpesvirus 7940.
drug resistance, herpes simplex virus, mutation, thymidine kinase, DNA polymerase, genes 7874.
drug resistance, herpes simplex virus, reviews 9652.
drug resistance herpes simplex virus 2 mutants 3271.
grug sensitivity testing assays, herpes simplex virus 1, herpes simplex virus 2, 6675. udder, relationship Streptococcus, Staphylococcus, mastitis, cattle 4453. udder, felationship Streptococcus, Staphylococcus, mastres, Cattle 4-Hygromycin B, arthyral activity, poliovrus, herpes simplex virus 2, HeLa cells 7947. Hygrophorus gliocyclus, new records, soil Pinus leucodermis, forests 7778. Hylacereus undatus, cactus virus X isolates charactenzation 5019. herpes simplex virus 1 infected cells effects on protein biosynthesis 3366, inhibition DNA biosynthesis, herpes simplex virus, cell culture 8795 synergism, anthyrial agents, anthyrial activity, herpes simplex virus 1, herpes simplex virus 2 1572.

treatment, herpes simplex virus infection, trigeminal nerve ganglia, mice, effects on readvation 710x, cross-resistant, phosphonoacetic acid, bromodeoxyundine

Hylobius, infestation, relationship air pollution sensitivity, Verticicladiella procera infection. Pinus strobus 5866.

Hymenogaster, mycorrhizas, Eucalyptus 1440.

mycomrass, cualynus 1440.

Hypera postica,
biological control, Erynia phytonomi, kocide effects on 7485

Hyperomyzus lactucae,
vectors, necrobic yellows virus, Lactuca sativa, detection, enzyme-linked
immunosombent assay 415. Hyperparaeltism,
Ampelomyces quisqualis, biological control, Sphaerotheca fuligimea, powdery midew, Cucumis sativus 2275.

mildew, Cucumis sativus 2275.

Darfuca filum, Chrysomyxa abietis, infection, Picea abies 7781.

Hypersanetifive response,
agglutnins, Solarium tuberosum, wilt, Pseudomonas solanacearum 3127.

blight, Xanthomonas campestris pv.malvacearum, Gossypium hirsutum 3129.

cladosporium fulum infection, histopathology, Lycopersicion esculientum 1249.

disease resistance, tobacco mosaic virus, Nicotiana tabacum 1374.

disease resistance, tobacco mosaic virus, Nicotiana tabacum 3110.

leaves, viruses infection, Gomphrena globosa 2156.

lesions, Bipolaris oryzae, Pyricularia oryzae, leafspot, Oryza sativa 5039.

Nicotiana tabacum haves, Pseudomonas pisi infection, association mesophyll 462.

Nicotiana tabacum, Pseudomonas pisi infection 4980.

Nicotiana tabacum, bobacco mosaic virus, 2-chlorethylphosphonic acid, salicyclic acid, effects on 4095.

Oryza sativa, induction, use, phytoalexins inducers seed treatments, disease

acio, enecis on 4095.

Oryza sativa, induction, use, phytoalexins inducers seed treatments, disease resistance, Drechslera oryzae infection 2292.

Phaseolus vulgaris, leaves proteins, infection, Colletotrichum lindemuthianum, alfalfa mosaic virus, peanut stunt virus 1333.

Phytophthora infestans, sesquiterpenoids, alkaloids, tubers, Solanum tuberosum 3089.

3089.

Pseudomonas pisi, inhibition RNA biosynthesis, Nicotiana tabacum 5787.

Pseudomonas pisi, leaves ultrastructure, Nicotiana tabacum 6790.

role, disease resistance, Phytophthora infestans, Solanum tuberosum 3144.

Solanum tuberosum leaves, Verticillium aibo-artum infection 3086.

tobacco mosaic virus, U.V. radiation effects on, Phaseolus vulgaris 3111.

tobacco mosaic virus, lipnin biosynthesis, Nicotiana tabacum 4080.

tobacco mosaic virus, ipnin biosynthesis, Nicotiana tabacum 4080.

Tatal virus, Phospholipids, fatty acid composition, Nicotiana tabacum 77741.

t/14.1.

tobacco mosaic virus, proteins, Nicotiana tabacum 3081. tobacco necrosis virus, proteins, Cucumis sativus 3113.
https://doi.org/10.1007/10.1007/10.1007/10.1007/10.1007/10.1007/10.
Legionella pneumophila, guinea-pigs, immunoassays, immunity (cell-mediated) detection 9337.

Hyphae,
Candida albicans, viability, methodology 7274.
Candida albicans, viability, methodology 7274.
cell walls, components, Phytophthora infestans, response, Solanum tuberosum, protoplasts 3098
Cochilobolus sativus, soil microorganisms colonization, fluorescence microscopy

3625. Cronaritum ribicola, inoculation, Pinus lambertiana hypocotyls, pure culture 542

Cronartium ribicola, inoculation, Pinus lambertiana hypocotyls, pure culture 54 fungi, growth chambers 9846.
Rhizoctiona solani, extension, validamycin inhibition 1568.
structure, biochemical characteristics, Glomus fasciculatus, relationship, symbiosis, Vitis vinifera 4183.
Hypolietorichum lagenarium, tricyclazole effects on, pigmentation, plants penetration 325.
Hyphantria cunea, dose-response effects, Bacillus thuringiensis, biological control, mathematical models 8362.
Ructear outhberdrings vinus lateration. nuclear polyhedrosis virus infection, transmission, eggs, hatchability 1044.

hyphodonitia alutaria, new records, soil, Pinus leucodermis, forests 7778. hyphodonito alutaria, new records, soil, Pinus leucodermis, forests 7778. hyphomicrobium, alcohol dehydrogenase (acceptor), mechanisms, role pyrrolo-quinoline semiquinone R.S.R. 2789.

R.S.P. 2789.

extracellular polymers, polysaccharides, carbohydrate composition 3710. methanol utilization, polysaccharides biosynthesis 3709. oxidation, benzaldehyde, characterzation 2007.

Hyphomycetes, biodegradation, lignin 3777. cellulose, decomposition decomposition, cellulose, Hyphomycetes 2903. culture, use biological control, Insecta 1806. pectin biodegradation 3776. pest control, biological control, insecta 1803. polygalacturonase, biodegradation, leaf litter 2003. Quercus, Pinus, wood, extracts, inhibition, growth, spore germination 4180. hypocotyles, use biological control, Insecta 1004.

virulence, use biological control, trisecta 10.04.

Hypocotyle,
Glycine max, laccase, infection, Phytophthora megasperma f.sp.glycinea 3916.
Glycine max, root rot, Phytophthora megasperma f.sp.glycinea, treatment,
metalaxyl+phytoalexins 503.
Pinus lambertians, Cronartium ribicola inoculation hyphae, pure culture 542.
rot, Fusarium oxysporum, etiology, Pinus lambertiana 4160.
tobaccon encrosis virus infected, Phaseolus vulgaris, light, effect on 2992.

Hypocrea avellanea,
biosynthesis, avellaneol 6588.

Hypomicos rosellus,

biosynthesis, avellaneol 6588.

Hypomycas rosellus,
coloweb disease, prochloraz, disease control, Basidiomycetes 6824.

Hypoxylon atropunctatum,
canker, Quercus mortality, association drought 5074.

Hypoxylon chesterali,
4-(4-methoxyphenoxy)buta-1,2-diene 2851.

Hypoxylon mammatum,
canker, Populus termuloides, forests 1464.
infection, Populus tremuloides, association, Magicicada septendecim, wounds 8658.

Hypoxylon aemene. httpox/fon serpens, metabolites, 3-methoxy-4-methyl-5-prop-1-enylfuran-2(5H)-one, spectroscopy 7497

Hyptis suaveolens, leaves oils, antifungal activity, Helminthosporium oryzae 494.

Hysterangium, mycorrhizas, Eucalyptus 1440.

I.R. Radiation.

IRP

aerial photography. Solanum tuberosum blight detection 1252. fung, spores, counting methods, spectrophotometry 3634. reflectance, analysis, fung, fermentation 9227. sternization, brain 5637.

use, carbon dioxide detection, bacteria food contamination 4851.

In Spectroscopy, bacterior dops in photochemistry, purple membranes, Halobacterium halobium 4554. macromomycin, auromomycin 2826. Nocardia restricta, lactamides, alkaloids 8373.

biodegradation, flavoprotein-linked monooxygenase, Pyricularia oryzae 5590. ibuprofen, inhibition, interferon antiviral activity 3346.

crystals formation, identification, Pseudomonas syringae pv.tomato, Pseudomonas

urystas roffinaudri, ruentinicaudri, Pseudorininias syringae pv.tornatu, Pseudorini syringae pv.syringae 6310. nucleation, frost damage, bacteria, plants 4130. nuclei, activation, bacteria, cryoinjury, Zea mays, Erwinia herbicola, biological control 843.

nuclei, activation, biological control. Erwinia herbicola, inhibition, Pseudomonas syringae, cryoinjury, Zea mays 8642, nuclei, formation, activity, smoke, effects on, Pseudomonas syringae pv.syringae, Erwinia herbicol

Ice cream, lood contamination, bacteria 238, lood contamination, quality control, food industry 259, lood contamination, staphylococcus aureus, Salimonella, coliforms 6659, lood contamination, Staphylococcus, coliforms, psychrotrophic bacteria, yeasts

Lactobacillus acidophilus, health, man 4836. production, pistachios contamination, microorganisms, association, radiation treatment 4838

Identification, bacteria clinical isolates, counter immunoelectrophoresis, fluorescent antibody bactena clinical isolates, counter immunoelectrophoresis, fluorescent test, clinical microbiology, 834 bacteria, clinical isolates, meningiis, gas-liquid chromatography 853. bactena, food contamnation, gas chromatography 236. Basidiobolus, Conidiobolus, enzymes, API test 899. Capnocytophaga, taxonomy, keys, computer programs 843. Clostridium difficile, gas-liquid chromatography 840. Corynebacterium vaginate, vaginitis, man 888. Enterobacteriaceae, API test, automated methods 859. Enterobacteriaceae, API test, automated methods 859. Enterobacteriaceae, API test, Micro-ID test 838.

Enterobactenaceae. API test. Micro-ID test 838.

Eschenchia coll+pili, use, receptors specificity agglutination 880.
gram-negative bacteria, biochemical characteristics. API test, blood culture 839.

Meisseria gonorrhoeae, methodology 872.

Rhizobium strains, antibiotics use 887.

Rhodococcus, Nocardia, Mycobacterium, strains, use, sensitivity, bleomycin 671.

Stigella, Salmonella, automated methods 861.

Staphylococcus aureus, fibrinogen hemagglutination use 844.

tombusvirus, isolation, Prunus, companison, petunia asteroid mosaic virus, tomato bushy virus 390.

Vibrio cholerae, fluorescent antibody test 842.

tidioscopus cytypealia,
disease transmission, fungi, Mangifera indica 3022.

Liditol,

L-Iditol,

fermentation, Candida 9248

Lelditol dehydrogenase, purification, characterization, cytoplasmic membranes, Gluconobacter oxydans subsp.suboxydans 4603 llarvirus.

isolates, Prunus, Malus, association, mosaic disease, ringspot, dwarf disease 5740. fleum, rabbits, Escherichia coli enterotoxins assays 310.

law crenate, hielaviopsis basicola, histology 4994. Phytophthora infection, incidence, greenhouses 1282. Illumination,

Illumination, Rhodospirillum rubrum, hydrogen production, nitrogen sources analysis 8366. disease control, cucumber mosaic virus infection, Cucurbita 9483.

Imazalil,

treatment, Penicillium digitatum green mold, oranges, post-harvest decay 9452. use, omamental plants disease control 5056. Imidazole.

nioazove,
denvatives+miconazole, antibiotic synergism, antibacterial activity,
Staphylococcus, Propionibacterium acnes 5182.
synergism, copiamycin, fungicidal activity, effects on membrane permeability
9679. Imidazole acetyltransferase, gluconmycin inhibition, Bacillus subtilis 8014.

gluconmycin inhibition, Bacillus subtilis 8014.
Imidazoles,
antifungal activity, Candida albicans, association endocarditis 7935.
antifungal activity, Candida albicans, spheroplasts, formation, scanning electron
microscopy 3337.
antifungal activity, cell walls, Candida albicans 2477.
antifungal activity sterols demethylatian, Candida 7936.
Candida plasma membranes, effects on potassium release 6061.
den valives, antifungal activity, fungi 2480.

Immobilization,

nmobilization,
Aerobacter aerogenes exc-malfohexachydrolase, radiation methodology 9177.
Alicaligenes faecalis, polyacrylamide polymerization 9970.
--amylase, exc-1.4-a-D-glucosidase, xylose isomerase, Bacillus subtilis,
Rhizopus, Streptomyces fradiae, use, Sepharose-6MB 9147.
Aspergillus awamori proteinase, role, silanes 166.
bacteria hydrogenase, activity, applications, reviews 9169.
bacteria, methodology 8127.
Brevbacterium flavum, use, carrageenans, polyethyleneimine, association, malic acid production, furmarate hydratase activity 4494.
cells, methodology 7217.
Clostridium thermocellum, use, coal 5424.

enterovirus, bentonite, bacteria contamination, ethanol bactericidal activity

Microbiology Abstracts A vol. 18 Immobilization, (continued)
enzymes, albumen supports bactericidal activity 9668.
β-D-galactosidase, polyacrylamide gels 9176.
Saccharomyces anamensis, β-D-galactosidase purification methodology 901.
Saccharomyces cerevisiae, β-D-fructofuranosidase activity, gels, methodology. Immobilized enzymes, (continued)
Bacillus subtilis, α -amylase, activity, association, starch, non-linearity 9134.
biosynthesis, quantification methodology 6492.
chitin, α-amylase, Aspergillus awamori var.kawachi, starch biodegradation activity 106.
cytochrome P448, Saccharomyces cerevisiae 1927.
exc-1,4-α-D-glucosidase, α-amylase, β-D-fructofuranosidase, yeasts 9134 4532
Saccharomyces cerevisiae, use, pectin, ethanol production associaton 6631.
Streptococcus lactis, sepharose 6317.
Streptomyces phaeochromogenes, radiation polymerization 9876.
Streptomyces phaeochromogenes, 2-hydroxyethyl methacrylate 9981.
Trichoderma reesei cellulase, glycoprofein composition 68.
Trichoderma reesei, use, radiation polymerization 7262.
use, polyfunyl alcohol), Penicillium funiculousum, cellulase,
β-D-glucosidase, exo-cellobiohydrolase 8315.
mmobilized cells. exo-1,4-α-D-glucosidase, physical properties, columns 7324. β-D-fructofuranosidase, heat inactivation, kinetics, Saccharomyces cerevisiae B-D-ructoruranosidase, heat inactivation, kinetics, Saccharomyces cere 9150.
B-D-fructofuranosidase, yeasts 46.
tumarase, carrageenans use, Brevibacterium flavum 6472.
fungi, disaccharides analyzers 7342.
B-D-galactosidase, Lactobacillus bulgaricus, activity preservation 7394.
gels polymerization 9008. B-D-glucosidase, exo-ceiioulonyurorase control.

Immobilized cells,
Alcaligenes faecalis, β-glucosidase activity 4585.
Arthrobacter globiformis. Saccharomyces cerevisiae, steroids transformation 4697
Arthrobacter globiformis, 3-ketosteroid-3 -dehydrogenase activity 3688.
Bacillus subtilis, biosynthesis, proinsulin 4582.
Bacillus subtilis, viability 854.

hacteria, fungi, transformation, steroids, reviews 3706. geis polymenzation 9008.
glucose oxdase. Aspergillus niger, heat inactivation 43.
β-D-glucosidase, Aspergillus niger 48.
β-D-glucosidase, Penicillium funiculosum, characterization 4584.
glutamate decarboxylase, Escherichia coli, preparation, characterization 1855.
glyceraldehyde-phosphate dehydrogenase, subunits association kinetics, yeasts
4683. becilius Suuniis, viauniiny 034.

Brevibacteria, Imq., transformation, steroids, reviews 3706.

Brevibacterium ammoniagenes, coenzyme A biosynthesis, continuous culture 1944.

Brevibacterium flavum, carrageenans, fumarate hydratase activity 7343.

Brevibacterium flavum, fumarate hydratase stability, carrageenans gels 7344.

Calcium algimate, Lactiobacillus vaccinosterous sp.nov, lactic acid biosynthesis 4893
knetics 8402
methodology 4519
methodology 4519
methodology 7391
methodology methodology 7391
pencicilin amidase, Proteus rettgeri 1893.
pencicilin amidase, Proteus rettgeri 1893.
pencicilin valoriase, kinretics, 7326.
polydooxyribonucleotide synthetase (ATP), phage T4, DNA fragments ligation 2755.
reteiveus, recommendations 63311.
ribonuclease, yeasts 1907.
Steroids conversion, reviews 3707.
Steroids conversion, reviews 3707.
Steroids conversion, reviews 3707. Candida tropicalis, production, α , ω -dodecanedioic acid, α , whitecanedioic acid 1840. Chiefle prenoidosa + Gluconobacter oxydans, glycerol conversion dihydroxyacetone 2856.

Clostridium acetobutylicum, metabolites production, control methodology 6583.

Clostridium, aldehydes hydrogenation 10.

Clostridium bejerinckii, fermentation, isopropanol+butanol+ethanol 9241.

Clostridium bejerinckii, fermentation, 2-propanol, butanol, ethanol 4737.

Clostridium bejerinckii, fermentation, 2-propanol, butanol, ethanol 4737.

Clostridium butyricum, hydrogen, production, glucose 1976.

Coriolus versicolor, pigments removal, pulp mills, industrial effluents 8959.

Corynebacterium dismutans, alanine biosynthesis 913.

Corynebacterium, hydroxylation, 4-androstene-3,17-cline 6555.

Desulphovibrio desulphuricans, beads, cytochrome C3 hydrogenase activity 4666.

Enterobacter aerogenes, adenine arabinoside production 981. steroids conversion, reviews 3707.
Streptomyces grissus, proteinase, probes, lysozyme, casein 61.
Streptomyces grissus, proteinase, stability, urea denaturation 63.
sucrose hydrolysis, bioreactors 9265.
surface charge effects on reaction mechanisms 967.
technology, catalysts, fermentation 7337.
Thermus thermophilus malate dehydrogenase, yeasts formate dehydrogenase 50.
tracylglycorol lipase, Candida cylindracea, triacylglycerides hydrolysis 5501.
use egg shells carriers, 6-D-galactosidase, Lactobacillus bulgaricus 9138.
yeasts, alcohol dehydrogenase activity, bioreactors 7361.
mmune adherence hemsgglutination,
antbodies detection, meales virus 8093.
detection, adenovirus antigens 9846. Destulphovibrio desulphuricans, beads, cytochrome C3 hydrogenase activity 4866 Enterobacter serogenes, adenine arabinoside production 981. environmental effects, reviews 1737. Escherichia coli, glutathione production 118. Escherichia coli, L-sapparia caid biosynthesis, enzyme activity 4579. Escherichia coli, I-AADP "recycling, glucose-6-phosphate dehydrogenase 4672. Escherichia coli, production, L-tryptophan, L-serine 9126. Escherichia coli, production, L-tryptophan, L-serine 9126. Escherichia coli, production, ethyptophan, L-serine 9126. Escherichia coli, production phosphorylase, activity 3694. Gluconobacter oxydans, glucose metabolism kinetics, gluconic acid biosynthesis 5467. Immune response, foot-and-mouth disease virus vaccines, DEAE adjuvants, pigs 2600. gastrointestinal tract, Candida utilis single-cell protein, feeding trials, pigs 2929. microflora, relationship, lactoferrin, transferrin, conalbumin antibacterial 5467.

microorganisms, oxygen supply, hemoglobin, fluorine organic compounds 6286. microorganisms, production, hydrogen, ammonia, reviews 6607. Mycobacterium, ethylene oxide production, bioreactors 3262. ntrifying bacteria, electrodes, introgen dioxide detection 9055. ntrifying bacteria, electrodes, urea detection 1804. Nitrobacter, oxygen electrodes, use, sodium nitrite sensors 5430. Nitrosomonas europaea, nitrification 9063.

Penicillium chrysogenum protoplasts, vesicles, penicillin G production 2542. Penicillium urticae, patulin biosynthesis 5261.

Pichia polymorpha, 2,1-β-D-fructan fructano-hydrolase, hydrolysis, inulin 6495 micronora, retaioniship, actorerini, transferrini, conaloumin anticacterial activity. Mammalia, reviews 5176.

Immune serum, immunoglobulin G antibody response Bacillus anthracis, enzyme immunoassay detection, rabbits 855. Immune status, determination, rubella, hemagglutination inhibition, immunofluorescence, latex agglutination, man 9842.

agglutination, man 9842.

indicate hemagolutination, man particular, Immunity,
Bordetella bronchiseptica vaccines, preparation, immunogenicity, dogs 785.
Newcastle disease virus vaccines, chickens 1687.
parvovirus (canne) vaccines, antibody response, dogs 2599.
Immunity (cell-mediated),
guinea-pigs, Legionella pneumophila hypersensitivity (delayed), detection,
immunoassays 9937.
Immunoabsorption, Pichia poymorpia, 2,1-p-0-modern to the control of Photographs and the muclaginosa, benzaldényde conversion, benzyl alcohol production 6440.

Saccharomyces cerevisiae, acetaldehyde biosynthesis, ethanol biosynthesis 131. Saccharomyces cerevisiae, alcohol dehydrogenase, NADH regeneration 4601. Saccharomyces cerevisiae, cellulose, films, ethanol, production 6802. Saccharomyces cerevisiae, cellulose, films, ethanol, production 6802. Saccharomyces cerevisiae, ethanol biosynthesis glucose fermentation 172. Saccharomyces cerevisiae, ethanol biosynthesis glucose fermentation 172. Saccharomyces cerevisiae, glycerol biosynthesis glucose fermentation 172. Saccharomyces cerevisiae, phydrolysis, sucrose 3827. Saccharomyces cerevisiae, hydrolysis, sucrose 3827. Saccharomyces cerevisiae, hydrolysis, sucrose 3827. Saccharomyces cerevisiae, envirolysis, sucrose 3827. Saccharomyces cerevisiae, nethodology 4303. Saccharomyces cerevisiae, envirolysis, sucrose 3827. Saccharomyces cerevisiae, envirology, envirologos cerevisiae, envirologos, sucrose 3827. Saccharomyces cerevisiae, envirologos, e chromatography, punfication, Escherichia coli acyl carrier protein 8193. use, Staphylococcus aureus, association, isolation methodology, Langerhans cells

Escendinal coli ellegritoxins, subunit situatione 251.

[mmunodiagnosis,]
[fluorescent antibody test, syphilis 9918.

[mmunodiffusion,
detection, plant viruses, Triticum aestivum, Hordeum vulgare 6757.
identification, Biastomyces dermatitidis, Coccidioides immitis, Histoplasma
cappulatum 4543.

Perspective programs privingare pr activity, factors affecting kinetics 8306.
Alcaligenes eutrophus hydrogen dehydrogenase+lactate dehydrogenase, use, NADH regeneration 8314.
α-amylase, Aspergillius oryzae, Bacillius subtilis, exc-1,4-α-D-glucosidase, Aspergillius niger 49.
α-amylase, exc-1,4-α-D-glucosidase, Aspergillius awamori, var.kawachi, glucose production 8305.
Bacillus circulans, β-D-galactosidase, activity, physicochemical properties 5315.

capsulatum 4043.
Pseudomonas syringae pv.tomato, serotypes, identification 5385.
pseudorabies virus antibodies delection, pigs serum 5374.
Staphylococcus aureus enterotoxins detection 6710.
use, enterotoxins characterization, Escherichia coli, Vibrio cholerae 7634.

5315 us intermedius ribonuclease, kinetics, use oligoribonucleotides synthesis 8284

Immunoelectrofocusing, quantitation, hepatitis A virus, infected cell culture 9852. Immunoelectron microscopy, detection, antigens, mycopiasma-like organisms, yellows, Callistephus chinensis

6997.

enterovirus, isolation, sewage 3468.
use, assays, poliovirus, hepatitis A virus 4476.
use, plants viruses, detection, identification 4926.
wheat spindle streak mosaic virus infection, 7 riticum aestivum, detection 9353.
Immunoelectrophoreals, expanation (incorpor) virus, virions aggregation 3543.

Immunoflectrophoreals,
barley stripe mosaic virus, carnation ringspot virus, virions aggregation 3543.
detection endotoxins reaction, Limulus lysate test 9308.
Haemophilus influenzae, identification, serotyping 8113.
panicum mosaic virus, methodology 3536.
Immunofluorescence,
haddene, attropagese assess 200.

mmunoffuorescence,
Bacteroides, identification 865.
Bacteroides, identification 865.
Chlamydia pstitaci serotyping, sheep isolates 875.
comparison, immunoperoxidase test, detection, respiratory syncytal virus,
diagnosis 9862.
counting methods, Bacillus anthracis, Bactillus cereus, spores 3573.
cetection, Claviceps purpurea enzymes, association, Gramineae infection 5707.
detection, immunoplobulin G, immunoplobulin M, anti Ureaplasma urealyhoum,
serum, man 9932.

detection, rotavirus (human), feces, man 9864. detection, Xanthomonas campestris pv.phaseoli, seed-borne diseases, Phaseolus

vilgans 5800.
diagnosis, infection, influenza A virus, respiratory syncytial virus, nasopharynx secretion, man 9832.
identification Pseudomonas syringae pv.tomato, Pseudomonas syringae pv.syringae

immune status determination, rubella, man 9842. immunogiobilin 6, detection, cytomegalovirus 5375. immunoperoxidase test, methodology, detection, viruses, genomes, cell culture

7231
methodology, spores comparison, Bacilius anthracis, Bacilius cereus 9897.
methodology, use, antibiotic sensitivity testing, bacteria 1605.
+ microplates, use, detection, antibodies, rotavirus 4471.
scrub typhus diagnosis, man 9964,
staining methodology, adenovirus, tissue culture 9845.
Staphylococcus aureus, cell walls, opsonins, immunoglobulins, binding 8122.
Staphylococcus enterotoxins identification 4918.

Staphylococcus enterotoxins identification 4918.

Immunogenicity.

Bordetella bronchiseptica vaccines, preparation, immunity, dogs 785.

Leptospira interrogans, vaccines, preparation, immunity, dogs 785.

Leptospira interrogans, vaccines, animal models 3455.

Mycobacterium bovis, use vaccines animal models 3455.

Neisseria meningitidis extracts, use, vaccines, mice 784.

nutrient status, effects on, vaccines, Vibrio cholerae, chemostats 1686.

parainfluenza virus 3 vaccines, proteins, hemaggitunins, mice, sheep 7189.

Streptococcus pneumoniae vaccines, man 3454.

vaccines, canine distemper virus, adenovirus (canine), paravoirus (canine), paravirus virus, measies virus, rubella virus, storage effects on 4429.

Vaccines, mumps virus, measies virus, rubella virus, storage effects on 4429.

Immunoglobulin A, serum levels, immunoperoxidase test, cytomegalovirus infection, man 6296.

Immunoglobulin G, anti polysaccharides, Streptococcus group B, enzyme-linked immunosorbent assay 5392.

antibody response, Bacillus anthracis, immune serum, enzyme immunoassay

5392.
antibody response, Bacillus anthracis, immune serum, enzyme immunoassay detection, rabbits 855.
canine distemper virus, antigens, detection, enzyme-linked immunosorbent assay, methodology 5369.
Chlamydia trachomatis, detection, enzyme immunoassay 9894.
Chlamydia trachomatis, detection, enzyme-inked immunosorbent assay 9931.
detection, herpes simplex virus 2, antigens, enzyme-linked immunosorbent assay

detection, herpes simplex virus 2, antigens, enzyme-linked immunosorbent assay 7227.

detection, Staphylococcus teichoic acid, enzyme-linked immunosorbent assay, immunodiagnesis infection, man 9919.

Immunodiagnesis infection, man 9919.

Immunodiagnesis infection, only immunosorbent assay enter immunosorbent assay estection, enzyme-linked immunosorbent assay 9557.

Totavirus, detection, enzyme-linked immunosorbent assay 9557.

Totavirus, detection, enzyme-linked immunosorbent assay, antigens attachment methodology 9551.

Immunoglobulin M,

Chlamydia trachomatis, detection, enzyme-linked immunosorbent assay 9931.

detection, Staphylococcus teichoic acid, enzyme-linked immunosorbent assay, antigens attachment immunoglobulin M,

chlamydia trachomatis, detection, enzyme-linked immunosorbent assay, antigens assay, immunodiagnosis infection, man 9519.

Immunofluorescence detection, anti Ureaplasma urealyticum, serum, man 9932.

man, hepatis A, separation techniques, chromatography 1755.

Totavirus, detection, enzyme-linked immunosorbent assay, Ross River virus, detection, man 9544.

serum levels, detection, enzyme-linked immunosorbent assay 1751.

Immunoglobulina, opsonna, detection, enzyme-linked immunosorbent assay 1751.

Immunoparoxidase test, opsonna, immunofluorescence entice immunosorbent assay 3531

Immunoparoxidase test, opsonna, immunofluorescence, detection, respiratory synodial virus, demonatory immunofluorescence, detection, respiratory synodial virus diagnosis.

Immunoperoxidase test, comparison, immunofluorescence, detection, respiratory syncytial virus, diagnosis 9862

mmunoglobulin A serum levels, cytomegalovirus infection, man 6296.

Immunoglobulin A serum levels, cytomegalovirus infection, man 6296.

Immunoprecipitation, Indole, Indole,

mmunoprecipitation, detection, indepensable detection, indepensable sing, Thermophyspora faeni, man 4486. rubella virus structural proteins identification 1740. mmunoettmulants, peptides, Streptomyces, structure 918. Streptomyces peptides, biological properties 921. Streptomyces peptides, peptides synthesis 919.

amino acids, infection, Plasmopara obducens, ± Meloidogyne incognita infection 2205

Impatiens balsamina, Turnip mosaic virus infection, pathogenesis 3079. Impatiens holstili, carlavirus infection 6792.

Imported diseases. plant diseases, crops 5666.

Inclusion bodies, induction, structure, potato virus X infection, Nicotiana tabacum 1238. Inclusions, plant viruses, gluteraldehyde fixation, structure 4472.

incompatibility,
R factors, conjugation, identification methodology 3551. Incubation

cubation; anaerobic environments, anaerobic bacteria, clinical isolates 2680. media, agar dehydration 819. temperature, effects on endotoxins biosynthesis, Yersinia enterocolitica 2950. temperature, effects on, microorganisms inactivation, food spoilage rates 2926.

temperature, effects on ehocivins biosylintesis, Fersinia enterocolines 2502.

India, Ascomycetes, host range, substrate preferences 7645.

bacteria blight, Manihot esculenta, symptoms, etiology 4022.

Cajanus cajan, leatspot, Alternaria 3926.

Claviceps infection, Panicum repens, Panicum antidotale 6770.

Clariceps infection, Panicum repens, Panicum antidotale 6770.

Clariceps infection, Panicum repens, Panicum antidotale 6770.

Clariceps acassinola infection. Lycopersicon esculentum, incidence 5009.

deserts, dunes stabilization, ecological distribution, soil microorganisms 1473.

Fuligo intermedia infection, Bryophyta, new records 2219.

geographical variations, susceptibility, endotoxins, Bacillus thuringiensis,
Anopheles stephensi, Aedes aegypti. Aedes albopictus 283.

incidence, Echinochloa frumentacea smut, Ustilago parodoxa 2138.

leatspot, Alianthus excelsa, Phonar medicaginis var;pinodelia 2221.

Lycopersicon esculentum, bunchy top, new records 3042.

Medicago sativa, Verticilium albo-attum witl 4941.

milk products frozen food, bactenology quality 6679.

milk products, Staphylococcus food contamination, incidence 2058.

new records, Pseudocercospora indica sp.nov isolation, Zepharanthes rosea 3989.

new records, Phuzochona bataticola infection, Conandrum sativum 3978.

pating, Parospora needle blight, eradication 5878.

Pinus patula, mycorrhizas, Thelephora terrestris 2303.

plants, phytotoxins, disease resistance, reviews 1369.

soil (sacilo, Azospirillum nitrogen fixation 7840.

Triticum, brown rust, stripe rust, germplasm screening, field trials, disease resistance development 5726.

Triticum, mosaic disease, viruses ehology 3953.

Typha angustata, ntrogen fixation assays 7851.

Vigna unguiculata necrosis, Fusarium equised 1709.

Xanthomonas betitooia leafspot, Piper bette, disease resistance 4023.

Zea mays, Peronosclerospora sorphi oospores formation 3018.

Zea mays, Peronosclerospora sorghi oospores formation 3018 dicator species,

Bacıllus subtilis subsp.niger, ethylene oxide sterilization, factors affecting

4322.

bacteria, association, drinking water, waste water, water sources 797.

bacteria, composts, factors affecting survival 6252.

bacteria, composts, factors affecting survival 6252.

Chenopodium murale, camation latent virus infection 6806.

chlorine inactivation, pH effects on, disinfection, diniking water 9812.

coliforms, bacterioidal activity, oil pollubon, pollubon effects 1550.

coliforms, Escherichia coli, microbial pollution, surface water 1708.

coliforms, Escherichia coli, microbial pollution, surface water 1708.

coliforms, Escherichia coli, vegetables, freezing effects on 6668.

coliforms, microbial pollution, sewage outfalls 3482.

dairy products 6670.

dairy products 6670.

Gairy products 6670, microbial pollution, drinking water, conferences 5454.

food contamination, mik, spraying, drying 4875.

marine pollution, microbial pollution, measuring techniques, Pelecypoda 8976.

microbial pollution, water supplies, books 9999.

poultry, meat 6669.

Salmonella hyphimurium, Escherichia coli, Streptococcus faecalis, phage f2, enterovirus, ground water microbial pollution 8979.

seafood 6671.

seafood 6671.

Spirillum volutaris, pollution monitoring, sewage treatment plants 3464, wastewater treatment, aerosols, coliforms, Cyanophyta phages 9796. Indirect fluorescent antibody test, Aspergillus furnigatus 8153.

Bacteroides fragilis, antisera comparison 1803. detection, equine infectious anemia virus antibodies, methodology 6290. detection, fungi, lung secretions, man 9079. detection, varicella-coster virus 6294. diagnosis, legionnaire's disease, man 867. diagnosis, respiratory sproytal virus infection, man 823. Lassa fever virus, Marburg disease virus, Ebola virus, use β-propionotactone 3534.

monoclonal antibodies, respiratory syncytial virus 9855. Indirect hemaggiutination, diagnosis, brucellosis, cattle 4485.

diagnosis fucientosis, catale 4465.
diagnosis tick-borne encephalitis, ixodidae 3518.
Haemophilus pleuropneumoniae, serotypes, antigenic relationship 9963.
rubella virus serum antibodies, immune status, comparison, enzyme-linked immunosorbent assay, hemagglutination inhibition 9837.

complex, enterochelin, antibacterial activity, Escherichia coli 1554.

Indole, biodegradation, Alcaligenes 8450, metabolites, Aspergillus flavus sclerolia, association, evolution 3715, odors compounds, biodegradation, Pseudomonas, Bacillus, Corynebacterium 5580.

odors compounds, blodegragation, inserioumonas, paterius, con yriedacterium. Indole-3-acetic acid, association, Pisolithus tinctorius effects on Malus domestica roots growth 591. biosynthesis, Bacillus firmus, Oryza sativa yield, soils (acid), India 4225. biosynthesis, Rhizobium japonicum mutants, tryptophan catabolisma 198. effects on Fusarium moniliforme nicotlinic acid biosynthesis 1841. effects on Trachoderma reessi cellulase production, spore germination 8320. mycorrhizas, Pisolithus tinctorius, gas chromatography 8171.

soil microorganisms, Phytophthora megasperma, Pythium irregulare, roots ests, food contamination, Salmonella noculation, feeds 253.
Trypanosoma cruzi trypomastigotes, Vero cells, proteins biosynthesis, morphology 1824.

Ostrinia nubilalis, effects on Diplodia maydis, stalk rot, disease resistance Zea

antiviral activity, macrolide antibiotics 7941. drug resistance, remantadine interaction lipid membranes 3266.

mays 361

```
Indole-3-acetic acid, (continued)
Rhizobium, role nodulation, root hairs, Leguminosae 1509.
Indole-3-glyceorl-phosphate synthase,
+phosphoribosyl-anthranilate isomerase, X-ray crystallography, Escherichia coli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Infectivity, (continued)
relationship, RNA, cucumber mosaic virus, white leaf disease, Lycopersicon
esculentum 2195.
        Indolepyruvic acid,
        biosynthesis, Rhizobium japonicum mutants, tryptophan catabolism 8198.

3-Indolylmethylglucosinolate,
conversion, role, clubroot, Cruciferae 5761.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Infestation
          Indomethacin,
                   inhibition, interferon antiviral activity 3346. inhibition, interferon, antiviral activity, characterization 2484.
   inhibition, interferon antiviral activity, 3346.
inhibition, interferon, antiviral activity, characterization 2484.
Industrial effluents,
abattoris, effects on soil microorganisms, soils (loam) 2381.
breweries, profein production, activated sludge 8932.
breweries, profein production, activated sludge 8932.
breweries, wastewater treatment, pl- effects on 4438.
coal, industrial sites, bibliographies 1699.
dairy industry, Wastewater treatment, bibliographies 1695.
distilleries, production, single-cell protein, yeasts 849.
distilleries, production, single-cell protein, yeasts 849.
distilleries, production, single-cell protein, yeasts 849.
distilleries, single-cell protein production, Candida utilis, chemical
composition, amino acid composition 9118.
fermentation, wastewater treatment, bibliographies 1694.
food industry, treatment, methodology, reviews 792.
molasses, wastewater freatment, digestion (anaerobic) 4445.
pulp mills, digestion (anaerobic), detoxification 4445.
pulp mills, kepsteila pneumoniae survival, microbial pollution, lakes 1715.
pulp mills, wastewater treatment, lipilographies 1696.
wastewater treatment (i), digestion (anaerobic) 5305.
wastewater treatment, purification, Pseudomonas, Bacillus 793.
Industrial microbiology,
books 4548.
conferences 5459.
                     books 4548.
       books 4548.
conferences 5459.
Industrial pollution,
glycols, biodegradation, measuring techniques 5577.
wastewater treatment methodology, cost-benefit analysis 5320.
     wasteward regardent interroducingly, consciented analysis 5320. 
Industrial altes, coal, industrial steel, bibliographies 1699, coal, industrial wastes, bibliographies 1699, lindustrial wastes, environmental effects, bibliographies 2609, Industrial wastes,
                 industrial wastes, ash, aluminum extraction, citric acid, Aspergillus niger 5989, composting, land disposal, reviews 6242, dentrification, carbon sources, dentrifying bacteria 3473, digestion (anserobic), methanogenesis, microorganisms, reviews 7196, explosives, biodegradation, reviews 5578, food industry, single-cell protein production, economics 9108, food industry, single-cell protein production, Fusarium, Sportorichum 9112, industrial sites, petroleum, environmental effects, bibliographies 2609, isolates, Pencillium chrysogenum mycelia, mannitol dehydrogenase purification, characterization 5514. land disposal, pathogens inactivation, occupational exposure risks, reviews 5978, limes processing, Propionibacterium shermanii use, cyanocobalamin production 8391.
                   oil and gas industry, land disposal, soil microorganisms biodegradation petroleum 5983.
   petroleum 5983.

pants processes, waste water oxidation 5318.

pharmaceuticals, soil microorganisms decomposition, land disposal, reviews 5984.

saps, detergents, biodegradation, reviews 5579.

soil microorganisms biodegradation, land disposal, books 6360.

sugar boets, use, Trichoderma reesel protein biosynthesis, animals feeds 8493.

suffite, Candida biodegradation 2904.

tanning, digestion (nanerobic), methanogenesis 8964.

wastewater treatment, water pollution, microbiology 5317.

Industrial water systems,
breweries, disinfection, spoilage bacteria 5321.

breweries, Pediococcus contamination, bactericides control 8966.

cooling water, fouling organisms, films, bacteria 6257.

Industries,
activated sludge, wastewater treatment 5307.

applications, bacteria, polysacchandes, reviews 9200.
               acruvated studge, wastewater treatment 5307.
applications, bacteria, polysacchandes, reviews 9200.
bacteria biodeterioration, conferences 4753.
bacteria biodeterioration, fungi detection, conferences 4754.
biodeterioration, fungi detection, conferences 4757.
microorganisms biodeterioration, conferences 5457.
waste water, phosphorus treatment, nitrogen removal 5319.
water supplies, bacteria biodeterioration, conferences 4756.
Infants,
man, disinfection, bottles, bottle feeding, bacteria 800.
Infactious anemia virus,
envelopes glycoproteins isolation, lectins affinity chromatography 8097.
Infactious diseases,
assocation, dairy products, milk, man 9275.
hospitals wastes, waste disposal, hygiene 799.
Streptococcus grup D, man, association, clinical isolates antibiotics
susceptibility 8826.
treatment, drugs, antibiotics, antimicrobial activity, books 1817.
Vigna unguiculata, germplasm reaction 5688.
Infactious pencreatic necrosis virus,
antiviral activity, phenytheptatriyne 7097.
cell culture, assays, carriers, salmo gairdneri 5376.
Infactivity.
```

cell culture, assays, carriers, Salmo gairdneri 5376.

Infectivity,
American plum line pattern virus, Prunus 394,
bacuchiol effects on, antivirial activity, tobacco mosaic virus 1386.

C-type virus, preservation, freeze-drying 1745.
chlorine, effects on, hepatitis a virus, Saguinus fuscicollis, Saguinus nigricollis, Saguinus labiatus labiatus, experimental infection 2488.
leaf rust, Puccinia recondita, Trilicum aestivum 370.

myoelia, chlamydospores, forests soil effects on Phytophthora 1483.
pea enation mosaic virus, Acyrthosiphon pisum 2107.
potato virus Y, potato virus M, potato virus A, preservation, freeze-drying, dehydration 2653.
red clover mottle virus, stability, factors affecting, Pisum sativum 2099.

red clover mottle virus, stability, factors affecting, Pisum sativum 2099

drug resistance, remantale interaction lipid membranes 3266.
Influenza A virus,
adamantane, derivatives, antiviral activity, tissue culture 7949.
adamentane, derivatives, antiviral activity, tissue culture 7949.
antipens, detection, enzyme immunoassay 9840.
antiviral activity, amantadine, ribavirin 3359.
antiviral activity, marantadine, antiviral 3361,
antiviral activity, marantadine, amantadine, plaque assay 9635.
factors affecting, antigens detection, erythrocytes, hemolysis, man 824,
infection, immunofluorescence diagnosis, nasopharynx secretion, man 9832.
oligosaccharides biosynthesis, streptovrucia antiviral activity, cell culture
6066.
purification, column chromatowachus, 2004. purification, column chromatography 7225.
splitting products vaccines, antibody response, children 3451.
variants, drug resistance, amantadine, remantadine, production, methodology 1546.
Influenza B virus, antiviral activity, macrolide antibiotics 7941. Oligosaccharides biosynthesis, streptovirudin antiviral activity, cell culture 6066. itting products vaccines, antibody response, children 3451 Influenza virus, antibodies, characterization, complement fixation, methodology 9863. amucories, characterization, complement fixation, methodology 98 antiviral agents, antiviral activity, reviews 5215. computer applications, spectrofluorometry, methodology 8107, detection, use, enzyme-linked immunosorbent assay+nylon 4468. noramide artiviral activity, chick embryos 9692. protein biosynthesis, proteinase, inhibitors, effects on 1583, reproduction, proteinase inhibitors, antiviral activity 9686. Inge |Inicult, outcome fixation putringer squares, activitival coverations. nitrogen fixation, nutrient sources, agricultural ecosystems, Coffea 3226. nodulation, nitrogen fixation shading, phosphorus fertilizer applications effects on 7843 Inheritance, Infertance, intertance, int aestivum 9464.
disease resistance, rust, Uromyces viciae-fabae, Vicia faba 2253.
disease resistance, wilt, Medicago sativa 6862.
disease resistance, Zea mays, maize dwarf mosaic virus infection 6841.
Elsinoe brasiliensis disease resistance, Manihot esculenta 6828.
Fusarium oxyoporum f.sp. ciocri, with disease resistance, Ciocr arietinum 4062.
grassy stunt virus disease resistance, Oryza sativa, Oryza nivara 5037.
Oryza sativa disease resistance, Xanthomonas campestris pv.oryzae blight 9364.
Phakopsora pachyrhizi rust disease resistance, genetic analysis, dlycine max E858 P858.
Pseudomonas lachrymans disease resistance, Cucumis sativus 6851. soybean mosaic virus disease resistance, Phaseolus vulgaris 6855. stem rust disease resistance, Triticum aestivum 1348. lobacco mosaic virus disease resistance, plam breeding, Nicotiana tabacum 3115. Triticum aestivum, disease resistance, rusts, Puccinia triticina 2255. Zea mays disease resistance, Cochilobolus carbonum infection 455. Zea mays disease resistance, Cochliobolus carbonum infection 455. Inhibitors,
Aspergillus niger citric acid production 8210.
growth, Lilium, plant viruses infection 7703.
prostaglandin synthase, thielavin, structure, Thielavia terricola 7490.
proteinase, influenza virus reproduction, antiviral activity 9686.
Inoculum potential,
Phytophthora infestans, blight, epidemiology, Solanum tuberosum 424.
Inonctus dryophillus,
white rot, decay association, Quercus alba, Quercus macrocarpa 5880.
Inonctus glomeratus,
heart rot, wood decay, oxyoen, carbon dioxide effects on 5084. Inonclus glomeratus,
heart rot, wood decay, oxygen, carbon dioxide effects on 5084.
Inonclus obliquue,
infection, Betula papyrifera, pathogenesis 1450.
Inorganic compounds,
membranes, bacteria ultrafiltration, milk 4782.
phosphates, assays methodology, bacteria 4498.
Inorganic pyrophosphatase,
binding sites, Saccharonyces cerevisiae, terbium ions interaction 4667.
kinetics, reviews, bacteria 6465.
levels, chloretrarcycline biosynthesis, Streptomyces aureofaciens 8004,
levels, Escherichia coli cell division temperature-sensitive mutant, penicillins
effects on 8000.

effects on 8000.

purification, activity, Streptomyces aureofaciens 7321.

X-ray crystallography, yeasts 47.

biosynthesis, Bacillus subtilis mutants, 5'-nucleotidase use 122. Inosinic acid,

biosynthesis enhancement, Brevibacterium ammoniagenes permeability mutants, genetic factors 1847. 5'-Inoeinic acid, production, Brevibacterium ammoniagenes, association drug sensitivity testing

sects, association, fungi, seeds, deterioration 2975. bacteria, biological control, commercial species, marketing 1021. bioassays, virulence, methodology, Deuteromycetes 1002. biological control, Bacillus sphaericus, powder production 1023. biological control, Bacillus thuringiensis, developing countries, research

inosine,

8776

anturral activity, enzyme immunoassay, relationship vesicular stomatitis virus antigens biosynthesis 1762. antural activity, tumor cells 7946. simulation nucleotides biosynthesis, antiviral activity, tobacco mosaic virus, antiviral agents. Nicotiana glutinosa 7746. susceptibility, bovine rhinotrachetits virus, pseudorabies virus 6074. sects, (continued) programs 1027, biological control, Bacillus thunngiensis spores, persistence, soil 1007, biological control, bactena, fungi, viruses 7471, biological control, Chytridiomycetes, Zygomycetes, life cycle 1015, biological control, developing countries 1028, biological control, developing countries 1028, biological control, Entomophthorales, condide, spores, survival, environmental conditions 1009, deserving organizations (1009). liposomes incorporation, antiviral activity 1579. synergism, antiviral agents, antiviral activity, herpes simplex virus 1, Vero cells 697. biological control, nuclear polyhedrosis virus, granulosis virus, control programs 9212. programs 9212.
biological control, pathogens, Bacillus thuringiensis 999.
biological control, pathogens, safety regulations 1025.
biological control, pest control, baculovirus, persistence 1005.
biological control, use Hyphomycetes, culture 1806.
biological control, use Hyphomycetes, culture 1806.
biological control, use Hyphomycetes, virulence 1004.
biological control, viruses, bacteria, fungi 4722.
nuclear polyhedrosis virus biological control, safety studies, animal models
4710. Interspecific hybridization, Interpotence in voluntation, Arachis, plant breeding, Cercospora arachidicola, disease resistance 7727. Penicillium, protoplastis fusion, strains selection 5439. Ribes nigrum, × Ribes rubrum, plant breeding, disease resistance, Sphaerotheca 1345. Spnaerotneca 1345. Streptomyces coelicolor+Streptomyces olivaceus, antibiotic resistance, antibacterial activity 9716. Zinnia elegans× Zinnia angustifolia, plant breeding, disease resistance, powdery mildew 7729. 4710.
pathogenicity, plants, biological control, viruses, fungi, books 9093. pathogens, biological control, foliar applications, crop fields 992. pathogens, isolation, culture, methodology, Eritomophithorales 1783. pathogens, microorganisms, immunoassays detection 1736. pest control, biological control, Hyphomycetes 1003. pest control, biological control, Hyphomycetes 1003. pest control, biological control, pathogens, conferences 1819. pest control, biological control, pathogens, conferences 1819. pest control, biological control, pathogens, foliar applications 993. pest control, biological control, pathogens, methodology, dissemination, fungi 994. Interspecific relationships,
competition, Glomus, mycorrhizas, Zea mays, Allium 5894.
fungi, dialysis, membranes, methodology 2715.
mutualism, mycorrhizas, Rhizobium, Leguminosae 9555.
rust, Uramyoes appendiculatus, Verbcillium lecanii, population dynamics,
Phaseolus vulgans 2106.
Intertidal environment,
particulation of the protection of the protectio bacteria, polysaccharides characterization 7443. Intestinal microflora, 994.
pest control, biological control, pathogens, viruses 990
pest control, pathogens, fungi 995.
pest control, virulence, biosassays, Entomophihorales 1001.
vectors, bacteria, plant diseases, reviews 2969.
vectors, bacses control, biological control, microorganisms 6622.
vectors, disease transmission, biological control, research programs 1029.
vectors, viruses, mycoplasma-like organisms, rickettsa-like organisms, plant testinal microflora, anaerokc bacteria, salinomycin administration effects on, pigs 5624, juvenities, chickens, Escherichia coli drug resistance 2411 lactic acid bacteria feeds effects on, domestic animals 3850 lactose digestion, Lacitobacillus acidophilus milk, man 7581, man, Bacteroides endo-1,3-p-D-xylanase, xylanaidion 2022, pigs, feeds, Streptococcus taectum effects on 4859. Pisces, bacteria, pollution indicators, water pollution, Iran 1725. Propachlor metabolism, 2-mercaptio-Ni-sopropylacetanilide production 8985, rats, mutagens, association, cycasin activation, genetic analysis 4510. Itestine. vectors, viruses, mycopiasma-like organisms, ncxettsia-like organisms, diseases 1120.

nescribcides, Beta vulgaris, crop rotation, effects on, fungi, soil 618. control, pests, Triticum aestivum 2273. diseases control, Nephotettix virescens, vectors, rice tungro virus 6847. diseases control, Nephotettix virescens, vectors, rice tungro virus 6847. diseases control, vectors, cowpea banding mosaic virus infection, Vigna unquiculata 5808. intestine, man, bacteria infection, carriers, hygiene, sanitation 7208. turkeys, isolates, media (isolation) methodology 8135. disease control, vectors, cowpea banding mosaic virus infection, Vigna unquiculata 5808 disease control, vectors, rice tungro virus infection, Oryza sativa 8613. effects on enzymes activity, soil microorganisms, agincultural land 5969. effects on, Rhizoctoria solani, Verticillium albo-atrum, wilt, rhizosphere microorganisms, Solanum tuberosum 1512. effects on soil microorganisms activity 5970. grain, stored products, fungi, degradation, malathion, Aspergillus glaucus 7557. pentachlorophenol effects on electron transport, soil microorganisms 2378. production, Verticillium lecanii, secondary metabolism 6593. role, Aspergillus parasiticus affatoxins inhibition, Zea mays 8557. soaps, foliar applications, Alternara parax infection Passasia actinophylla, Bipolaris setariae infection Chrysalidocarpus lutescens, Fusarium moniliforme infection Dracaean amarginata 9486. toxicity, Lagenidium giganteum 6060. use, disease control, Hordeum vulgare 7676. Institutions, children, surfaces contamination, coliforms 3494. education, floors, keratinophilic fungi isolation 8983. Integrated control, damping-off, herbicides, nematicides, crop rotation, soil fumigation, Cucumis sativus 9473.
Fusanum oxysporum f.sp.lycopersici, wilt, henomyl+nitrate+calcium oxide+Lycopersicon esculentum 4108.
Fusanum oxysporum f.sp.lycopersici, wilt, nitrate+calcium oxide+benomyl, Lycopersicon esculentum 4107.
Trichoderma harzuanum bulbs treatment, soil solarization, soil-borne diseases, Interferon, antibacterial activity 2428. intoxication, bacteria food contamination, hygiene, prevention, man 194.

Intraspecific relationships,
Eucalyptus regnans, disease resistance, Phytophthora cinnamomi infection 8653.

Rhizobium, association, Glycine max nodulation 9605. effects on, Kluyveromyces marxianus growth, ethanol biosynthesis 3748, hydrolysis, Cynara scolymus, Kluyveromyces fragilis inulinase characterization 71. Pichia polymorpha, 2,1-β-D-fructan fructano-hydrolase, immobilized cells, hydrolysis 6495. use, Saccharomyces rosei, ethanol production 8410. Indinase. Ind Saccharomyces rosei, ethanol production 8410. Invertese, biosynthesis, Saccharomyces, 8-hydroxyquinoline effects on 9184. Invertebrata, activity, soil properties, recreation, environmental impact 6892. lodination, yrosine residues, ribosomes, ribosomal subunit 50S, Escherichia coli 7289. lodine, lodine,
antiviral activity, poliovirus 2468.
Bacillus subtilis spores resistance 5177.
teat dips, mastitis nicidence, cattle 4462.
5-lodo-2'-deoxyuridine,
analogs, antiviral activity, herpes simplex virus 1, herpes simplex virus 2 5214,
pretreatment, Varicella-zoster virus infected cells, effects on replication 3365. Trichoderma hazisacianum bulbs treatment, soil solarization, soil-borne diseases, indaceae 7768.

Interfaron, antibacterial activity 2428.
antibacterial activity 7922.
antiviral activity 7922.
antiviral activity 7922.
antiviral activity inhibition, indomethacin, ibuprofen, oxyphenylbutazone 3346.
antiviral activity, mengovirus, L cells 7103.
antiviral activity, Trichimmunoassay 1759.
antiviral activity, Trichimmunoassay 1759.
antiviral activity, Trichimmunoassay 1759.
antiviral activity, reviews 4311.
antiviral activity, vunicamycin potentiation 9690.
antiviral activity, vunicamycin potentiation 9690.
antiviral activity, vunicar stomattits virus, encephalomyocarditis virus, regulation, double-stranded RNA, L cells 7105.
antiviral activity, vunicas 3355.
antiviral state, cells 3345.
antiviral state, cells 3345.
antiviral state, cells 3345.
antiviral activity, versicular stomattis virus, immunoassay 9698.
antiviral activity, versicular stomattis virus, increation 1738.
indomethacin, aspirin, inhibiton, antiviral activity, characterization 2484.
infection inhibition, vescular stomattits virus, herpes simplex virus, neurons, tissue culture 2490.
inhibition protein biosynthesis, vesicular stomattis virus, antiviral activity, 1575. antiviral activity 6063.
3-lodo-2-propynyl butyl carbamate, disease control, sap stain, wood storage, Liriodendron tulipifera, Pinus 9529. disease control, stain, wood, Pinus 5882. lodoacetamide, cytochrome c chemical modification, folding kinetics, fluorescence, 3-todobenzoic acid, bacteria, dehalogenation, lakes, sediments 6648. ododeoxyuridine, drug sensitivity testing assays, herpes simplex virus 1, herpes simplex virus 2 6075. lodopenicitianate, inhibition, β-lactamase, bacteria 3404. disinfectants aerosols, airborne microorganisms 5346. disinfection, hand, man 816. E-5-(2-lodovinyf)-2'-deoxyuridine, antiviral activity, vancella-zoster virus 5211. Ion-exchange chromatography, Actinomycos lavendulae cholesterol oxidase, purification, characterization 6554. IRNA, isolation, yeasts 5480.

Initial production of the control of

monitoring, differentiation methodology, Mycobacterium tuberculosis, Mycobacterium avium-intracellulare, animal isolates 4496.

1749

levels, tissue culture vesicular stomatitis virus infection, enzyme immunoassay

susceptibility, herpes simplex virus clinical isolates 7108. chterferon, artiblacterial activity, Staphylococcus 686.
antiviral activity, encephalomyocarditis virus, cell culture 7109. lons, (continued)

permeability, polymyxin B effects on, Escherichia coli 758. Ipomea batatas,

roots, extracts, agglutination, Ceratocystis fimbriata, spores, host specificity, black rot 3095.

black rot 3095.

Ipomoea batatas,
rhizosphere, Azospirillum, nitrogen fixation 9594.

stem canker, Fusarium solani 5000.

witches' broom, mycoplasma-like organisms, disease transmission, Orosius lotophagorum ryukyuensis 9424.

Ipomoea trilloba,
witches' broom, mycoplasma-like organisms, disease transmission, Orosius lotrophagorum mycoplasma-like organisms, disease transmission, Orosius

lotophagorum ryukvuensis 9424

antifungal activity, tolerance, Ampelomyces quisqualis 1401.

± Bacillus subtilis biological control, white rot, Allium cepa, seed

treatments 4103.

treatments 4103.

disease control, Brassica oleracea seeds leafspot 508.
disease control, grey mold, Bothytis cinerea, Cyclamen graecum 1424.
diseases control, post-harvest decay, peaches 4129,
disease control, Rhizoctonia solani, stem canker, black scurf, Solanum tuberosum 5055

5055.
effects on fungi spore germination 7765.
effects on Monilinia fructicola, growth, sporulation, isolation 2282.
resistance, Botrylis squamosa 1519.
resistance, Fusarium nivale 1530.
resistance, Monilinia fructicola, infection, Prunus persica, pathogenicity 2278.
resistance, Monilinia laxa 7900.
resistance, Sclerotinia homoeocarpa 6010.
resistance, Sclerotinia homoeocarpa 6010.
reatment, brown spot, Drechslera oryzae, Drechslera sorokiniana, Zizania aquatica 2272.
reatment. pythum infection, Gramineae 4114.

treatment, pythium infection, Grammeae 4114. use, omamental plants disease control 5056.

iran,

plants extracts, antibacterial activity 2458. water pollution, pollution indicators, Pisces intestinal microflora bacteria 1725.

Iremycin, antibacterial agents 3438.

bulbs, Trichoderma harzianum treatment, integrated control, soil-borne diseases

bulbs, Rhizoctonia solani survival, storage conditions effects on 3973.

Iris germanica, leatspot, incidence, USA, Arkansas 4988. Iron(II),

ctivation alcohol dehydrogenase, kinetics, Zymomonas mobilis 7407. Iron,

acquisition, Vibrio vulnificus, association, siderophores production 8369. antimicrobial activity, Entamoeba histolytica, Staphylococcus aureus 2497. association, Glomerella cingulata, rot, Capsicum frutescens 3999. bacteria uptake, wastewater treatment 5313.

Chelating agents, Boletus edulis extracts, soil 9558.

containing proteins, purfication, characterization, Desulfovibrio gigas 5462 coordination geometry, cytochrome c heme, N.M.R., Saccharomyces cerev Candida krusei 3643.

coordination geometry, cytochrome c551 heme, N.M.R., Rhodopseudomonas gelatinosa 3653. effects on Corynebacterium diphtheriae toxins production, association, mutation

.3939.

Fifects on phosphate-dissolving bacteria inoculation, yield, Vicia faba 5892.
Escherichia coli, uptake, role, streptonigrin bactericali activity 1679.
levels, ntrogenase cofactors, Clostridium pasteurianum 4593.

suidation, temperature effects on, bacterian, rivers contamination, mines waste

water 5134

reduction, soil, flooding, metabolism, bacteria 6959. starvation, electrophoresis methodology, siderophores detection, microorganisms 8090 valency, pyrite solubilization, oxidation, Thiobacillus ferrooxidans 8709.

tron II, oxidation, acidophilic iron-oxidizing bacteria, mines drainage 1515.

Iron (III), iron (III),
reduction, iron-oxidizing bacteria, sulfur bacteria 3257.
Iron-depositing bacteria,
media (isolation), methodology 7259.
Iron-oxidizing bacteria,
contamination, wells 3483.
identification, isolation, drinking water 9818.
Iron Il oxidiation, miss drainage 1515.

iron II oxidation, mines drainage 1515 iron (III) reduction 3257.

iron (III) reduction 3257.
Ievels, vertical distribution, reclaimed land, coal mines 9561.
Iron-reducing bacteria,
media (isolation), methodology 7259.
Iron-auffur centers,
interaction siroheme, E.S.R., sulphite reductase (NADPH), Escherichia coil 2807.
nitrite reductase (NADH), E.S.R., Escherichia coil 73.

rimer reduces (WDFI), E.S.H., Escriberial of the incircular incirc

Irrigation, crop fields, USA, Arizona, Pythium aphanidermatium inoculum density, Beta

crop fields, USA, Arizona, Pythium apnanidermatum inoculum density, Beta vulgaris 426.
effects on Tuber melanosporum fruit bodies production, Quercus lanuginosa 6899. ornamental plants, effects on leafspot pathogenesis 1274. soii moisture, Rhizoblum japonicum nitrogen fixation, yield, Glycine max 6993. trickle, plant diseases, crops 5667. irumamycin, structure, N.M.R. 5279. Irumanolide I, characterization, Streptomyces 9770. Irumanolide II, characterization, Streptomyces 9770.

characterization, Streptomyces 9770

isariopsis griseoia,

isariopais griseoia, disease resistance, genetic variance, Phaseolus vulgaris 6863. isoagatholacton, Spongia officinalis, antibacterial activity 8769. Isoamylase, biosynthesis, Lipomyces kononenkoae 1853. structure, X-ray scattering, Pseudomonas 964.

antifungal activity, wheat post-harvest decay 441, preservation, feeds 5625.

preservation, spoilage fungi, corn 5626.

Isocitrate dehydrogenase (NAD),
Dictyostellum discoldeum, purification, characterization 70.

Isocitrate dehydrogenase (NADP),
purification, Azolobacter vinelandii 6534.

Isocitrate lyase,
purification, characterization, Lactobacillus murinus 7336.

isocitric acid.

overproduction, Saccharomycopsis lipolytica, enzymes activity association 5483. Section of the secti

menucology, centulose acetate membranes, pacterna p-ractamase neuraminidase, Bacteroides fragilis, electrophoresis, activity 7377 groteolytic enzymes, Streptomyces 5521. Staphylococcus aureus, exotoxins 7639. Isoflavones,

biodegradation, Nectria haematococca 8434. Lupinus, antifungal activity 7095. Isohematinic acid,

Actinoplanes philippinensis, biosynthesis 8902. Actinoplanes philippinensis, physico chemical properties, antibacterial activity 8903

Isoleucine,

activity, isoleucyl-tRNA synthetase activation, role ATP, Escherichia coli 4596, nutrient requirements, monensin biosynthesis, Streptomyces cinnamonensis 8016. Isoleucyl-tRNA synthetase, activation isoleucine activity, role ATP, Escherichia coli 4596.

Isoniazid dimethyl sulfoxide, antimycobacterial activity, Mycobacterium

avium-intracellulare 2401.

drug resistance, Mycobacterium tuberculosis, clinical isolates, Korea Rep. 9656.
drug sensitivity testing, Mycobacterium intracellulare, infection, monkeys,
clinical aspects 4265.

serum levels, bioassays, Mycobacterium aurum 2421,

serum levels, bioassays, Mycobacterium aurum 2421. leopenicillin N, Cephalosporium acremonium, production 7149. Streptomyces tokunonensis sp.nov. biosynthesis 3410. leopenicillin N aufroxide,

laopenicIIIIn N sulfoxide,
derivatives, penicIIIIn biosynthesis intermediates 8846.

Isopogon ceratophyllus,
Phytophthora cinnamomi infection, water relations 3982.

Isoprenoide,
isolation, Solanum tuberosum tubers, Phoma exigua var.foveata infection 3974.

Isoprenylquinone,
Spongia officinalis, antibacterial activity 8769.

Isopropanol,
sa + butanol+ethanol, fermentation, Clostridium beijerinckii immobilized cells 9241.
production, Clostridium beijerinckii, Clostridium aurantibutyricum 2845.

laoptera, disease disease transmission, Fusarium udum wilt, Cajanus cajan 2987, mounds, soil microorganisms, population dynamics, Kenya 8669.

lactopes, dilution methodology, nitrogen fixation estimation, field trials, greenhouses trials 5126.

utats 3 (20), methodology, nitrogen fixation analysis, leguminosae 5131. laovaleric acid, Clostridium bifermentans, biosynthesis enzymes isolation, characterization 9174.

Isoxazolyi penicillins, inactivation, β-lactamase 2544.

Israel, Cucumis n

Cucumis melo collapse, Monosporascus eutypoides role 9380. dispersal, Fusarium oxysporum i.sp.vasinfectum, wilt, association, Gossypium barbadense 6817. Hedysarum coronarium, Rhizobium symbiosis, nitrogen fixation 5947.

Hedysarum coronarium, Hhizobium symbiosis, nitrogen hixation 5947. Leguminosae, nitrogen fixation 5946. Leguminosae, seeds, Rhizobium inoculation, problems 5945. oral hygiene, children 8999. Pisum sativum, Pseudomonas syringae pv.pisi blight, incidence 9335. Solanum tuberosum, metalaxyl resistance Phytophthora infestans incidence, infectivity 6798. derivatives, antibacterial activity, gram-positive bacteria, gram-negative bacteria 7055. Istamycin B,

taconic acid,

biosynthesis relationship, Aspergillus terreus tricarboxylic acid cycle activity 9132

Haly, Hedysarum coronarium, symbiosis, Glomus mosseae, growth 6975. lakes, bacteria distribution, seasonal variations 7203. Shigella, antibiotic sensitivity testing, antibiotic resistance transfer 8829.

structure, N.M.R., mass spectroscopy, Bacillus 9774.

Glycine max, cowpea mild mottle virus isolation, characterization 2115. Physalis angulata, pepper veinal mottle virus infection, symptoms 1235. wells, microbial pollution 3486.

Ixodidae, lysozymes, antibacterial activity 1552. bck-borne encephalitis, diagnosis, indirect hemagglutination 3518.

Jamaica.

mycopiasma-like organisms yellowing, Cocos nucifera, roots symptoms 2228 public health, Vibrio, pathogenicity, Crassostrea rhizophorae 8968.

Jamaica, (continued)

Vibrio pathogenicity, Jamaica, public health 8968

Japan,

apen, bactena, production, fatty acids, use, mandarin orange peel 4280. bactena, production, fluorescent antibody test 847 rehybrotype bacteria, culture methodology proteins production 4502. Phaseolus angularis, Phialophora gregata isolates, pathogenid 4382. soil, carbon dioxide gas production, temperature, dissolved organic carbon.

offects on 8668.
viruses infection, Onyza sativa 4955.

Japanese encephalitis virus,
glycoproteins, detection, concanavalin A, methodology 3541.

Jordan, viruses infection, Lycopersicon esculentum 6793. watermelon mosaic virus infection, Cucurbita pepo, incidence, prophylaxis, oconomic importance 1317.

Josamycin, antibiotic resistance, Staphylococcus aureus 9646. antibiotic sensitivity testing, streptococcus 9718.

anionati sensininy learny, autoprocessor, Juglans nigra, anthracnose, leaves penetration, Marssonina juglandis 3029. Gnomonia leptostyla anthracnose disease resistance, genetic analysis, selection

roots, endomycorrhizas infection, soil moisture effects on 6900.

biodegradation, Pseudomonas putida 8453

Diooegrausturi, r Julices, Julices, lettuce, bacteria contamination, public health, man 4792.
tomatoes, canning, sterilization, baths 262.
tomatoes, pectin protection, heat resistance, Lactobacillus fermentum 6660.
Juncus articulatus, Entorhiza casparyana, galls 9403.

Uniperus.
Phytophthora cinnamomi experimental infection, disease resistance 472. susceptibility, Kabatina juniper infection 1459.
Juniperus chinensie var.sargentil, identization-Gigaspora margarita, clomus mosseae effects on 4134.

Juniperus procera, forests, rhizosphere, inhibition nitrification 3223

forests, mizosphere, inhibition nitrification 3;223. Juvenilea, cattle, diarrhea isolates, Escherichia coli, antibiotic resistance 1534. cattle, Enterobacteriaceae infection, antibiotic resistance 643. cattle, feeding, milk substitutes, Escherichia coli isolation, antibiotic sensitivity lesting 8742. cattle, Feeding trials, pasteurized milk. Staphylococcus aureus 4869 chickens, intestinal microfiora, Escherichia coli drug resistance 2411.

Kabatiella zeae,
eve spot, yield reduction, Zea mays 4964,
eve spot, disease resistance, plant breeding, Zea mays 9456.
Kabatina juniperi,
infection, Juniperus, susceptibility 1459.

Kalanchoe

Agrobacterium tumefaciens, crown gall, temperature effects on 8574. sap, antiviral activity 3344. tumors induction, Agrobacterium tumefaciens, osmotic pressure effects on 4029.

tumors induction, Agrobatement, interesting 109.

Kanamycin,
Actinomadura antibiotic sensitivity testing 6109.

antibiotic resistance, characterization, plasmid R1drd-19 1520.

antibiotic resistance, Escherichia coli, urinary tract clinical isolates 7034.

antibiotic resistance, Escherichia coli, urinary tract clinical isolates 7034.

antibiotic resistance, R1 factors, Rhizobium japonicum 7875.

antibiotic resistance, Saimonella isolates, Netherlands, incidence 5161.

antibiotic resistance, Saimonella isolates (282.

antibiotic sensitativity lesting, Campylobacter fetus subsp.jejuni, clinical isolates 6099.

Artivativas, synthesis, antibacterial activity 8853.

derivatives, synthesis, antibacterial activity 8853.

drug sensitivity testing, Mycobacterium intracellulare, infection, monkeys, clinical aspects 4265.

+ethonium, antibacterial activity, Pseudomonas aeruginosa, clinical isolates

Edizobium japonicum antibiotic resistance isolates, Glycine max nodules 651. Salmonella clinical isolates, antibiotic sensitivity testing 6112. Yersina pestis antibiotic sensitivity testing 6110.

Kanamycin A, metabolism, Bacillus circulans, amikacin biosynthesis 6157. Kaolinite, microorganisms binding, methodology, bioreactors 5357.

Kauranold,

biosynthesis, Gibberella fujikuroi 968.

Kaurenold,

biosynthesis, Gibberella fujikuroi 2853.

biosynthesis, Gibberella hijikuroi 2853.
Kefir,
bacteria, yeasts, morphology 5609.
starter cultures, Streptococcus, Lactobacillus 186.
Kennedla coccinea,
nitrogen fixation, fires, fertilizer applications, phosphorus effects on 517.
Kennedla prostrata,
Australia, Rhuzobium isolation, characterization 6990.
nitrogen fixation, fires, fertilizer applications, phosphorus effects on 517.
Kenne

bacteria contamination, fishery products 3837.
Cupressus Iustianica, Monochaetia unicomis canker, incidence 4151.
ncidence, Vibno haemolyticus, Pisces, Crustacea 1069.
soil microorganisms, population dynamics, mounds, Isoptera 8669.

degradation, proteinase, Microsporum canis 7367.

Keratinase,
levels, Trichophyton rubrum resistant mutant, undecanoic acid drug resistance
7877.

Keratinophilic fungi, biodegradation, Pavo cristatus feathers 7555, enzymes biosynthesis, media (culture) 3630 incidence, soil, Germany, Fed. Rep. 3185.

Keratinophilic fungi, (continued) isolation, floors, education institutions 8983. a-Keto--methiol butyric acid, production, Providencia immobilized cells 1845

2-Keto-L-gulonic acid,

production, glucose fermentation, Erwinia, corynebacterium 928.

production, glucose fermentation, Erwinia, corynebacterium 928.

Ketoconaxoie,
+ amphotencin B, antibiotic resistance, Candida albicans 3307.
+ amphotericin B, antibiotic resistance, Candida albicans 1633.
antifungal activity, Aspergillus flavus 3333.
antifungal activity, Candida albicans, Candida parapsilosis, pH effects on 5201.
antifungal activity, Candida albicans, pH effects on 3334.
antifungal activity, Candida albicans, pH effects on 3334.
antifungal activity, In vivo, in vitro 5202.
antifungal activity, in vivo, in vitro 5202.
antifungal activity, in vivo, in vitro 5202.
Candida plasma membranes, effects on potassium release 6061.
derwatives, antifungal activity, Plasmodium falciparum, Candida, clinical solates 1566.
senstivity, Actinomycetales clinical isolates 5183.
+ sulfamethoxazole, antifungal activity, Candida albicans 2483.
synergism, copiamycin, fungicidal activity, effects on membrane permeability 9679.
treatment, Candida albicans infection, man, drug resistance 4274. treatment, Candida albicans infection, man, drug resistance 4274.

Ketogluconate dehydrogenase, purification, characterization, cytoplasmic membranes, Gluconobacter oxydans

subsp.melanogenes 4609. Ketoglutarate dehydrogenase,

multienzyme complexes, self-association, light scattering, Escherichia coli 8269. Ketoglutaric acid,

binding glutamate synthase (NADPH), Escherichia coli 5488.

yeasts reduction, use, synthesis, synthons 4515. Ketones, reduction. Beauveria sulfurescens 130.

Technicino, beauverla suriorescens 150.
25-3-Ketosterold Isomerass, photoaffinity labelling, nandrolone, Δ6-testosterone, Pseudomonas testosteron §489.
3-Ketosterold-1 - dehydrogenase, activity, Arthrobacter globiformis, immobilized cells 3688.

kildney, lesions, pigs, contamination, Hordeum vulgare, ochratoxin A, Aspergillus ochraceus 7622.

Chraceus 7622.

Klevitone hydratase,
biosynthesis, Phaseolus vulgaris, association pathogenicity, Fusarium 345.

Killer factor,
Candida albicans identification 9991.

Kingella denitrificans, identification, media (culture), growth inhibition test 9925.

mactivation proteinase, purification, characterization, Psalliota hortensis 42. Kirrothricin,

Streptomyces cinnamomeus, characterization 1665.

Kitasamycin,
bacteriostasis, Mycobacterium avium-intracellulare 7912.

Kitchens.

cooking, bacteria, food contamination, pork 232. cooking, food contamination, bacteria 235. cooking, pork, food contamination (lostridium perfringens, Staphylococcus aureus 1066

cooking, poultry, spoilage, food contamination, bacteria 1067. cooking, sanitation, food contamination, bacteria 213. hygiene, pasta, food poisoning, Clostridium perfringens, man 7576. Klwfruit,

fungi, post-harvest decay 3104. post-harvest decay, fungi contamination, USA, California 5031.

post-harvest decay, fungi contamination, USA, California 5031. [ebasiella, antibacterial activity, B-lactam antibiotics 4340, antibacterial activity, antibiotic synergism, clavulanic acid, ticarcillin 6147. antibacterial activity, cefotetan 4356 antibiacterial activity, personal experience of the state of the st

anubacterial activity, natioxic acid, ciprono, acid 7924, antibacterial activity, norfloxacin 7062, antibiotic resistance, clinical isolates 1524, antibiotic resistance, septicemia, man 645, antibiotic sensitivity testing 2393, antibiotic sensitivity testing 3393, antibiotic sensitivity testing 6111, antibiotic sensitivity testing 6111.

antibiotic sensitivity testing, nosocomial infection, man 6098. antigen O, polysacchandes structure 8329. apalicilin antibacteral activity 2556. azthreonam antibacterial activity 777.

additionam ambatication acuty 777
bacterioris hyping 8137.
capsules polysaccharides, oligosaccharides purification 8335.
capsules, polysaccharides, structure 9197.
carbon sources, factors affecting acetylene reduction 4244.
carbon sources, moxilactam, ambacterial activity comparison, antimicrobial agents

cefotaxime, moxalactam, arribacterial activity comparison, antimicrobial agents 6126.
cefotetan antibacterial activity 5198.
cefotetan antibacterial activity 5198.
cefotetan antibacterial activity 6130.
cefotetan antibacterial activity 6130.
clinical isolates, antibacterial activity, azlocillin 8847.
clinical isolates, antibacterial activity, cephalosporins 9740.
clinical isolates, antibacterial activity, cephalosporins 9740.
clinical isolates, antibacterial activity, cephalosporins 9740.
clinical isolates, antibacterial activity, periodical context of the context of th

insulfation roots, radiation roots, fensulfation roots, fensulfation biodegradation 7538, isolates, hospitals, antibiotic resistance 8732. β-lactamase inhibition, iodopenicillanate, bromopenicillanate 3404.

```
Kiebsiella, (continued)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kluyveromyces fragills, (continued) ethanol, Helianthus tuberosus carbohydrates 2389, ethanol production, lipids effects on 2866, inclinase characterization, Cynara scotymus inulin hydrolysis 71, inulinase production, carbon sources effects on, continuous culture 2813, whey, production, single cell protein, ethanol 4732. Kluyveromyces lactis,
         lebaleita, (continued)
norfloxon antibacterial activity 2440,
norfloxacin antibacterial activity 2453,
pathogenicity effects on, Beta vullgaris crop production 403,
pili, purification, characterization, adhesion. Poa pratensis roots 8660
resporatory tract infection, bekanamycin treatment, man, antibacterial activity
         6160.

filtiposphere microorganisms, role, nitrogen nutrition, Triticum aestivum 7006. species, wetwood etiology, Ulmus americana 8657. urinary tract clinical isolates, norfloxacin antibacterival activity 9671. urinary tract infection, detection, gas chromatography methodology 9929.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    And year orny use actus, actus
Ministry teach mechanic secretary teaching the secretary teaching teaching the secretary teaching the secretary teaching teaching the secretary teaching teaching teaching teaching the secretary teaching teac
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               emanto immunon, knetics 1968.

β-D-galactosidase, purification, characterization 4658.

nulin effects on, growth, ethanol biosynthesis 3748.

polygalacturonase characterization 8248.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Kluyveromyces phaseolosporus,
exo-1,3-β-D-glucanase, self-association 44.
          production, polymers, extraction, methodology 2670.
Klebsiella oxytoca,
cefotetan inactivation β-lactamase 4368.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Klygveromyces marxlamus,
contamination, food industry, sugars 184.
         Clinical isolates, antibiotic resistance, cephalosporins 8731.

B-lactamase inhibitors, cephalosporins synergism 6133.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Kocide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 mortality, Erynia phytonomi, biological control, Hypera postica 7485.
Kiebalella ozaenae,
contamination cotton 1320.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Kolic acid,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Aspergillus flavus, production 3648.
cidisinfectants, arribacterial activity 2434

Kiebsiella preumoniae, activity 2434

Kiebsiella preumoniae, acetoin reduction, 2,3-butanediol bioeynthesis 9232, antibacterial activity, Chromobacterium violaceum antibiotic Y-T0678H 9768, antibacterial activity, arribiotic synergism, amikacin, cefoxitin, fosfomycin, N-formimidoyl fibrenamycin 3394, antibiacterial activity, cefacior, cefacior, if 715, antibiacterial activity, cefacior, cefacior, offacroxil 731, antibiacterial activity, cefacior, cefacior, offacroxil 731, antibiacterial activity, cefacior, cefacior, offacroxil 731, antibiacterial activity, cefacior, cefacior, cefacior, cefacior, et al., antibiacterial activity, cefacior, cefacior, cefacior, cefacior, antibiacterial activity, cefacior, activity, cefacior, cefacior, activity, cefacior, cefacior, cefacior, cefacior, activity, cefacior, activity, cefacior, activity, cefacior, cefacior,
          disinfectants, antibacterial activity 2434
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 biosynthesis, Aspergillus flavus, cotton post-harvest decay 5648.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               biosynthesis, Rhizobium japonicum, new records 7435.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kolanone,
Garcinia kola, fruits extracts, antimicrobial activity 1588.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Korea Rep.,
Mycobacterium tuberculosis clinical isolates, drug resistance 9656.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Kretzschmaria clavus, infection, Macadamia integrifolia, root rot, perithecia relationship 5731. 
Kuehneola uredinis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   leaf rust, Rubus, weed control, biological control, USA, Hawaii 9410.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kuwait,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   erts, soil microorganisms, fungal flora, community composition 8673.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Salmonella typhimurium, drug resistance, association, plasmids 5150
       antibacterial activity, piperaciliin 9757
antibacterial activity, collegitylene glycol 8774,
antibacterial activity. Streptomyces melanovinaceus antibiotic DC-52 8344
antibiotic sensitivity testing 9722
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 conversion, Rhodococcus enythropolis 8438. (12Z)-Labda-12,14-dien-17α-olc acid, abienol conversion, Nocardia restricta 6617. Labeilling, antibodies.
     antibutic sensitivity testing 9722
antibutic 17-1982 antibuscienal activity 735.
bacteriordia activity, ceteriordic epitalesin 7137.
bacteriordia activity, ceteriordic epitalesin 7137.
bacteriordia activity, ceteriordic epitalesin 7137.
bacteriordia activity, testinaciderazion 3471
bioassays indicator species, drug sensitivity testing 6039.
23-butanedioli biosynthesis 8370
ceffuroxim artibacterial activity 1612
cephalothin, gertamicin, antibiotic synergism, antibacterial activity analysis, methodology 6123
follothesidige, noxythipidin, phanoxysthanol, antibacterial activity 6140.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              antibodies, X radiation probes, diagnosis methodology, salmonellosis 1799. 
Escherichia coli β-D-galactosidase use, enzyme immunoassay, S-100 protein measuring techniques, cerebrospinal fluid, man 857. 
IRNA phage T4, polyribonucleotide synthetase(ATP) use 9860.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Laboratories,
clinical microbiology, quality control 710.
   methodology 6123
chlorhexidine, noxytholin, phenoxyethanol, antibacterial activity 6040,
clinical isolates, antibiotic sensitivity testing 7132
comparison. Lactobacillus. 3-hydroxypropionaldehyde, production 8374,
contamination cotton 1320
entherotoxins physicochemical properties 6715
entherotoxins physicochemical properties 6715
entracellular polymers adosption heavy metals, activated sludge 1689
fensulforthion conversion, fensulfothion sulfide biosynthesis, accumulation 8367.
N-formimodoyi thenamyrion antibacterial activity 3430,
fuels production, cellulose hydrolysis 2018
galactionate dehydratase D-fuconate dehydratase, purfication, characterization
6439
glucose, cyclic AMP, effects on enzymes 1938.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               clinical microbiology, quality control 710.
composting equipment, activity 8951.
decontamination, paraformaldehyde, Legionella pneumophila, survival 2459.
effluents, y radiation, inactivation, viruses 790.
effluents, come disinfection 8984.
microbiology, methodology, bookis 9091.
sampling, airborne bacteria 1729.
Laboratory animalis,
environmental hygiene, bacteria 5334.
single-cell protein feeding trials, allergenicity 9283.
toxicity, Escherichia coli ioxins, gene transfer, phages conjugation 9315.
Laccaria laccata.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ectomycorrhizas, protection Fusarium oxysporum root rot, Pseudotsuga menziesii 3173.
       gliveose, cyclic AMP, effects on enzymes 1938.
gliveorol dehydratase, kinetics, thermodynamics 7387.
growth, pH, temperature, cooling water, paper mills 7201.
growth, sugar inhibition, association wound infection treatment, man, in vitro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ectomycorrhizas, suppression root rot, Fusarium oxysporum, Pseudotsuga menziesii 4144.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               growth, cadmium, lead, nickel, effects on 3189.
                     7056
     histamine biosynthesis, food poisoning 121. 
histamine production, media (culture), sadrood 2674 
indicator species, association, drinking water, waste water, water sources 797. 
indicator species, association, drinking water, waste water sources 797. 
indicator species. Sociation of the species of the sp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               inoculation, fertilizer applications, seedlings, Pinus ponderosa, Pseudotsuga menziesii 5852.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              mycorrhizas, Eucalyptus 1440.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Laccase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Aspergillus nidulans, purification, characterization 33. 
Botrytis cinerea, factors affecting activity 8298.
     B-lactam antibiotics - antineoplastic drugs synergism, antibacterial activity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Botrytis cinerea, factors affecting activity 8298.

extraction, soil 4215

hypocotyls. Glycine max, infection, Phytophthora megasperma f.sp.glycinea 3916.

hypocotyls. Glycine max, infection, Phytophthora megasperma f.sp.glycinea 3916.

polyporus versicolor, fluorescence, phosphorescence 7366.

purification, characterization, Appergillus oryzae 936.

purification, characterization, Pholiota mutabilis 6407.

Haman spectroscopy, Polyporus versicolor 9148.

role hypersensitive response, disease resistance, tobacco mosaic virus, Nicotiana
B-lactam antibotos - antineoplastic drugs synergism, antibacterial activity 3385
B-lactamase inhibitors, cephalosponns synergism 6133.
B-lactamase isolation, purification 4665
lactic acid biosynthesis 8206.
medillinam: B-lactam antibiotics antibacterial activity 3314.
nitrogen fixation, association, introgenase, infloren 1495
nitrogen fixation, nitrogenase activity, mechanisms 5935
nitrogenase melybdenum-iron protein E.S.R., ethylene activation 5523.
promidic acid antibacterial activity 1565
plantis extracts antibacterial activity 1760
production, 23-butanedoid, hydrofysis, hemicelliulose 3739,
serrotypes cephalosponns, ambiotic sensitivity testing 4369,
serrotypes cephalosponns, ambiotic sensitivity testing 4369.
serrotypes susceptibility, association, commovazole drug resistance 6004
survival, microbial pollution, pulp mills, industrial effluents, laxes 1715
D-lagitose-1, 6-bisphosphate adiolase, purification, characterization 6427
tannase, tannin decomposition 5600
tetrahydrofolate dehydrogenase, genes, trimethopnim, drug resistance 1522,
trapping, fibrin polymerization 2638
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       tabacum 1374.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Saccharomyces cerevisiae copper thionein complex reconstitution, Rhus vernicifera
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6497
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Vigna sinensis, Cucumis sativus, tobacco necrosis virus infection, osmotic stress effects on 413.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             effects on 413. vindole conversion, fungi 7447.

Lachnella villosa, marasmic acid, effects on, RNA biosynthesis, DNA biosynthesis 6063.

Lachnellula willkommil, canker, Larix laricina 1445.

canker, Larix laricina, USA, Maine 5876.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Lactacin B,
Lactobacillus acidophilus production, antibacterial activity 7172.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Action artiblotics, aminophycoside antibiotics, synergism, therapeutic applications, antibacterial activity, reviews 6091. antibacterial activity 4358.
growth carbon limitations assimilation enzymes biosynthesis, methanol
loeckera brevis,
pyrdoxine bioassays 2717
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ambacterial activity, 4358. antibacterial activity, acinetobacter calcoaceticus subsp.antiratus, 
Acnetobacter calcoaceticus subsp.lowfit 7979. 
antibacterial activity, anaerobic bacteria 4345. 
antibacterial activity, bacteria 4340. 
antibacterial activity, bacterio 4340. 
antibacterial activity, Branhamella catarrhalis. Haemophilus influenzae, 
association, B-lactamase production, activity 9736. 
antibacterial activity, Chlamydia trachomatis 3396.
Junyeromyces.
ascospores heat resistance, erythromycin inhibition sporulation 1631.
ascospores hear testisance, eventuring in missions and the large eventuring the large eventures eventuring the large eventuring the large eventures eventure eventures eventures eventure eventures eventur
```

B-Lactam antibiotics, (continued)
antibacterial activity, comparison cefotetan 4357.
antibacterial activity, dose-response effects 743.
antibacterial activity, Eschenchia coli, Pseudomonas aeruginosa, Streptococcus faecalis, Staphylococcus aureus 4330.
antibacterial activity, Eschenchia coli, Streptococcus faecalis 739, antibacterial activity, gram-negative bacilit, Pseudomonas maltophilia 7983.
antibacterial activity, Haemophilus influenzae, Pseudomonas matrophilia 7983.
antibacterial activity, Haemophilus influenzae, Pseissenia meningitidis, Streptococcus pneumoniae 717.
antibacterial activity, Nocardia, Rhodococcus 2503.
antibacterial activity, Pseudomonas aeruginosa, antibiotic resistance, gentaminor, carbenicillin 740.
antibacterial activity, Pseudomonas aeruginosa, antibiotic resistance, gentaminor, carbenicillin 740.
antibacterial activity, Pseudomonas aeruginosa, Enterobacteriaceae 7075.
antibacterial activity, Pseudomonas aeruginosa, Enterobacteriaceae 7075.
antibacterial activity, Pseudomonas aeruginosa, Enterobacteriaceae 7075.
antibacterial activity, Neisteria gonorrhoeae 3401. B-Lactamass, (continued)
activity, penicilins antibacterial activity, Pseudomonas, disc-diffusion test,
miterpretion 6145.
Interpretion 6145.
Inte 438.
5.6-cs-carbapenem+β-lactam antibiotics, antibiotic synergism, inhibition, bateria 1883.
Citrobacter freundii, ceftriaxone inhibition 3397.
Citrobacter freundii, ceftriaxone inhibition 3397.
Citrobacter freundii, inactivation, sulbactam 7180.
Clostridium buryticum, purification, characterization 1892.
detection, assays. Neisseria gonorrinoeae 5407.
detection methodology, anaerobic bacteria 9037.
Enterobacter cloacae, release, beads extraction 2806.
Escherichia colii, purification, characterization 2787.
Escherichia colii, purification, characterization 2787.
Escherichia colii, purification, characterization 2787.
Escherichia colii, purification, characterization 2787. 4368 antibacterial antivity, Neisseria gonorrhoeae 3401. antibiotic resistance, β-lactamase, Pseudomonas aeruginosa 7878. antibiotic resistance, Clostridium perfringens, association, pericilin-binding protein 9651. protein 9651. antibiotic resistance mechanisms, Staphylococcus aureus 3268. antibiotic resistance, plasmids, Shigella sonnei 4278. antibiotic resistance, reviews 5997. antibiotic resistance, reviews 5997. antibiotic resistance, role membrane permeability, porins, Escherichia coli 1542. antibiotic resistance, Staphylococcus aureus, temperature effects on 3282. antibiotic resistance, Streptococcus group D, role, penicillin-binding protein 4574. 90-4
gram-negative bacteria, antibacterial activity, cloxacillin+ampicillin, cloxacillin-epihalosporins 1610.
guaridine hydrochloride, biguanide hydrochloride derivatives denaturation, Staphylococcus aureus 3702.
Haemophilus influenzae, antibiotic resistance, plasmids characterization, transfer 644. antibiotic sensitivity testing, Bacteroides fragilis 5262.

antibiotic sensitivity testing, Bacteroides fragilis 5262.

antibiotic sensitivity testing, gram-negative bacilli, gentamicin resistance antibiotic sensitivity testing methodology, factor affecting 6305.
antibiotic sensitivity testing, Mycobacterium 7996.
antibiotic sensitivity testing, relationship treatment, experimental infection, transfer 644. Haemophilus influenzae, antibiotic resistance, role ampicillin 2400. hydrolysis, cefotetan stability 4364. hydrolysis, cefotetan stability 4366. hydrolysis stability, cefotetan, β-lactam antibiotics derivatives 4339. identification, substrate specificity, bacteria, β-lactam antibiotics 9728. inactivation, moxalactam 4673. mice 9715.
antibiotic sensitivity testing, Staphylococcus aureus 7978.
antibiotic sensitivity testing, Staphylococcus, clinical isolates 5105.
antibiotic sensitivity testing, Streptococcus group 8 723.
antibiotic sensitivity testing, Streptococcus group 6 723.
antibiotic sensitivity testing, Yersinia enterocolifica, Bacteroides corrodens, Streptococcus pneumoniae 6089.
antibiotic tolerance, β-lactamase, screening 637.
- antibiotic tolerance, β-lactamase, screening 637.
- antibiotic divides, synergism, antibacterial activity, gram-negative bacilli identification, substrate specificity, bacteria, β-lactam antibiotics 9728.
inactivation, moxalactam 4673.
induction, cephalosporins antagonism, N-formimidoyl thienamycin, cefoxitin, Aeromonas hydrophila, Serratia marcescens 7059.
inhibition analysis methodology, role, inhibitors, β-lactam antibiotics 6101.
inhibition, bacteria, iodopenicililanate, bromopenicililanate 3404.
inhibition, clavulanic acid analogs 6214.
inhibition, ciendamycin, Enterobacter, Pseudomonas aeruginosa 7155.
inhibitors, G-acetylmethylenepenicililanic acid, +ampicililin, pieracillin, ceffraxone, antibacterial activity 3405.
isoelectric focusing, Citrobacter diversus, Brantamella catarrhatis 8292.
isoelectric focusing, Escherichia coil, Pseudomonas aeruginosa 7883.
isoenzymes, fractionation, chromatofocusing, Bacillus cereus 9165.
isoslation, bacteria, purification 4665.
isoxacolyl penicillins inactivation 2544.
Felactam antibotots, antibiotic resistance, Pseudomonas aeruginosa 7878.
B-lactam bacteria, N-formimidoyl thenamycin stability, antibacterial activity, comparison cephalosporins 728.
Cerea de 1861.
Neisenia gonormoeae, clinical isolates, antibiotic resistance 2395. 3385. Jactamase identification, substrate specificity 9728. bacteria, β-lactamase identification, substrate specificity 9728. bactericidal activity, autolysins deficient mutant, Bacillus subtilis 4331. bioassays, Bacillus stearofhermophilus, milk 720. bioassays, Bacillus stearofhermophilus, milk 721. biological properties, chemical properties, books 8182. biosynthesis, association, Streptomyces clavuligerus S-(2-aminoethyl)-L-cysteine resistant mutant 8809. biosynthesis, fungi, recombination, protoplasts fusion 8806. Campylobacter fatus substrated and second seco Campylobacter fetus subsp.jejuni drug sensitivity testing 4292. carbapenems, antibacterial activity, Pseudomonas aeruginosa, in vitro, in vivo 6216. 6215. Cephalosporium acremonium, biosynthesis, catabolite repression 5231. characterization, books 8176. chemical modification 6215. chemical modification 6215. +5,6-cis-carbapenem, antibiotic synergism, inhibition, β-lactamase, bacteria 1683. Relationships 5.241.
Neissena gonorrhoeae, clinical isolates, antibiotic resistance 3295, phenylglyoxal inactivation, Bacillus cereus 948.
precursors bioaccumulation, Escherichia coli, association globomycin treatment 1683

Comparison, cefotetan antibacterial activity 6134.

derivatives, antibacterial activity. Enterobacteriaceae, hydrolysis stability, p-lactamase 4339, antibacterial activity 6097.

derivatives, synthesis, antibacterial activity 6097.

diffusion, celi membranes poriris, Escherichia coli, Salmonella typhimurium 718.

Escherichia coli resistant mutant, selection, characterization 5165.

†gentamicin, tobramycin, amikacin, stability, storage 9710.

high-performance liquid chromatography 9713.

inactivation, aminoglycoside antibiotics 6108.

induction p-lactamase, antibiotic resistance, Proteus vulgaris, Proteus rettigeri 3305.

interaction, budgecin, effects on, bacteria, morphology 2461.

± mecillinam antibacterial activity, bacteria 2314.

Nocardia, antibiotic sensitivity testing 2517.

Nocardia asteroides, antibiotic sensitivity testing 3384.

nocardicin, biosynthesis, Actinosynnema mirrum 6200.

nomenciature 2508.

permeability, Escherichia coli lipid bilayers 6087. 7/30u.

production, activity, Branhamella catarrhalis, Haemophilus influenzae, association, antibacterial activity, β-lactam antibiotics 9736, production, anaerobic bactena, association β-lactam antibiotics susceptibility 5199. susceptibility 5199.
production, characterization, Branhamella catarrhalis 8288.
production, plasmids mediation, Escherichia coli, screening methodology 3594.
Proteus rettgeri, Proteus vulgaris, B-lactam antibiotics induction, antibiotic resistance 330,50 synthesis, genetic analysis 8287.
Pseudomonas aeruginosa, hydrolysis, cefotaxime, cefsulodin 4355.
Pseudomonas aeruginosa, hydrolysis susceptibility, moxaliactam 5272.
purification, characterization, Mycobacterium smegmatis 3690.
purification, characterization, Mycobacterium smegmatis 3690.
purification, hinetics, Citrobacter freundii, Escherichia coli, Enterobacter cloace 9140.
stability, antibiotic U-63196E, antibacterial activity 8833.
stability, antibiotic U-63196E, antibacterial activity, new records 8832.
stability, ceffizoxime 2536. nomenclature 2508.
permeability. Escherichia coli lipid bilayers 6087.
production screening, bacteria 4337.
production screening, bacteria 4337.
resistance, bacteria, genetic analysis, characterization 7883.
resistance, enhancement mechanisms, genetic analysis, Escherichia coli 7894.
resistance, Haemophilus influenzae strains 4284.
resistance, role, penicillin-binding protein, function, structure, bacteria,
reviews 6397.
role, β-lactamase inhibition analysis methodology 6101. stability, ceruzoxime 25:36. stability, ceruzoxime 25:36. stability, mexicollin, piperacillin 25:43. stability, oxyrimiocephalosporins 25:38. Staphylococcus aureus, antibiotic resistance, penicillins, erythromycin 32:90. Streptomyces, purification, characterazation 7:397. suicide inhibitors, gram-negative bacteria 28:10. suicide inhibitors, gram-negative bacteria 28:10. susceptibility, cefototan, antibacterial activity 4378. temocilin stability 25:50. role, β-lactamase inhibition analysis methodology 6101.
standardization assays 4380.
structure-activity relationships 5236.
suffaniamide, synthesis, antibacterial activity 4294.
susceptibility, anaerobic bacteria, association β-lactamase production 5199.
susceptibility, Haemophilus ducreyi 6103.
β-Lactam bacteria, activity, N-formimidoyl thenamycin, stability, β-lactamase,
comparison cephalosporins 729.
β-Lactamase,
-acetylmethylenepencillanic acid inactivation, Escherichia coli 5248.
6-acetylmethylenepencillanic acid inactivation, mechanisms, Escherichia coli 6501. temocillin stability 2550.
Lactamides,
alkaloids, Nocardia restricta, I.R. spectroscopy 8373.
Lactarius necator,
aqueous extracts, Ames test 8467.
3,12-dehydro-3-deoxylactarorufin A, isolation, structure 112.
3,12-dehydro-3-deoxylactarorufin A, isolation, structure 977.
extracts, mutagenicity testing 4715.
mutagenicity, mutagens characterization 2916.
Lactate dehydrogenase,
+ Alcaligenes eutrophus hydrogen dehydrogenase, immobilized enzymes, use, NADH regeneration 8314.
Alcaligenes eutrophus, purification, characterization 6488. 6-acetylmethylenepenicillanic acid inhibition 2754. Oracetymeturyleneperincialance and innipition 2/294. Achromobacter, clinical isolates, isolates, isolates of activity, bacteria, amoxycillin+clavulanic acid 3411. activity, Escherichia coli, relationship, antibiotic resistance, ampicillin, cephalothin 70/28. legenération 5.14.
Alcaligenes eutrophus, purification, characterization 6488.
allosteric properties, E.S.R., Lactobacillus casei, Lactobacillus curvatus 39.
almino acid sequence, Lactobacillus casei 8278.
ATP, ADP, AMP Inhibition, Phycomyces blakesleeanus 1905.
purification, characterization, Alcaligenes eutrophus 4591.

activity, Haemophilus influenzae, detection methodology 7318.

Lactate dehydrogenase, (continued)
purification, characterization, Streptococcus cremoris 4642.
Lactate dehydrogenase (cytochrome),
subunits, characterization, purification, Hansenula anomaia 4623.
Lactate 2-monooxygenase,
reconstitution flavin derivatives, oxidation decarboxylation lactic acid,
Mycobactarium smagnasis, 6502. Lactic acid, biosynthesis, aerobic bacteria 8206. biosynthesis, Lactobacillus vaccinostercus sp.nov., calcium alginate immobilized cells 4565. cells 4565.
carbon sources, Rhodopseudomonas capsulata, hydrogen production 7469.
fermentation, Iscitic acid bacteria, vegetables 5607.
fermentation, Streptococcus, milk products media methodology 5426.
fermentation, Streptococcus, milk products media methodology 5426.
fermentation, tomatoes, Lactobacillus plantarum 4833.
oxidation decarboxylation, lactate 2-monoxygenase reconstitution flavin
derivatives, Mycobacterium smegmatis 6502.
production, Gramineae crop residues, Lactobacillus plantarum effects on 5623.
production, Lactobacillus delbreuckii, fermenters 11.
role, antagonism, association, metronidazole antibacterial activity, Trichomonas
vaginalis 7090.
SERSONS, lactici acid hacteria enumeration methodology 3584. vaginals / Jovas sensors, lactic acid bacteria enumeration methodology 3584. substrates, Rhodopseudomonas capsulata, hydrogen production 8366. yogurt, effects on Salmonella typhimurium growth 4811. D-Lactic acid, yogurt, effects on Salmonella typhimurium growth 4811.

PLactic acid bacteria,
enantiomers, formation, lactic acid bacteria, cheddar cheese 8463.

Lactic acid bacteria,
activity relationship, milk trace elements 8477.
adonitol, protection, freeze-drying 2686.
antibiotic F 16-2 antimicrobial activity, association sake 8024.
association cold storage food preservation 260.
carbohydrates metabolism, reviews 9125.
casein proteolysis 4800.
enumeration methodology, lactic acid sensors 3584.
feeds, effects on intestinal microflora, domestic animals 3850.
fermentation, saulik -colostrum, food sources, juveniles, cattle 7599.
fermentation, sauerkraut 5608.
formation, D-lactic acid enantiomers, cheddar cheese 8463.
identification, assays 895.
incidence, ethanol fermentation, wine storage 9243.
inoculation, shellish, vacuum packaging, Vibrio spoilage 8495.
inoculation, shellish, vacuum package 8103.
proteolysis, cheese ripening, organoleptic evaluation 6662.
phages, survival, cold storage 8103.
proteolysis, cheese ripening, organoleptic evaluation 7584.
ripening, cheese production, sydean milk, organoleptic properties 3823.
silage production, fermentation 0400. sitage production, fermentation 8490, spoilage, poultry, packaged food, carbon dioxide, oxygen, cold storage 6686, starch, fermentation control 8412, starter cultures, fermentation, soybean milk 216, starter cultures, fermentation, soybean milk 216, starter cultures, fermentation, soybean milk 216, starter cultures levels, organoleptic evaluation, cheese 3822, starter cultures levels, organoleptic evaluation, cheese 3822, starter cultures temperature, buttermilk production 4902. Streptococcus, plasmids DNA isolation 9047.

**Streptococcus thermophilus, galactose fermentation, cheese production 8461, uranium leaching, phosphorites 3255.

temperature effects on, ripening, cheese 8460. Lactobacillus, activity, threonine aldolase, alcohol dehydrogenase, effects on milk flavor 7587. antibiotic sensitivity testing, artibiotic resistance 6724. association Strepticoccus thermophilus, enumeration, media (selective)+maltose

3571.

Sactionicins antibiotic sensitivity testing, relationship, taxonomy 1659. comparison, Klebsiella pneumoniae, 3-hydroxypropionaldehyde, production 8374. contamination, Xiphias gladius, fishery products, packaging, chemistry 4808. com+animal wastes silage, fermentation, biochemical characteristics 4868. films permeability, vacuum packaging, beef spoliage 5635. fishery products, storage conditions, carbon dioxide, nitrogen, temperature, effects on 8498.

effects on 8498.

food contamination, beef vacuum packaging, oxygen barriers films 261, food contamination, ripening, salami 2030, identification, Minitok test 9051, inactivation, food spoilage rates, incubation temperature effects on 2926, incidence, ethanol fermentation, wine storage 9243, intestinal microflora, saliniomycin administration effects on, pigs 5624, levels, cheese ripening, cheese flavor, chemical analysis 2906, peptides hydrolase, production, factors affecting 1941, periodontal diseases isolates, ambibitic sensitivity testing 376, production, acetorin, 2,3-butanedione, pyrturo acid effects on 4721, prohistidine decarboxylase, histidine decarboxylase conversion, peptides bonds cleavage 4595. cleavage 4595

prohistidine decarboxylase, histidine decarboxylase conversion, peptides bonds cleavage 4595.

+ Propionibacterium, mixed culture, growth 2917.
spoilage, frankfurters, pork, gases composition, storage 5639.
spoilage, meat, vacuum packaging, carbon dioxide packaging 4879.
spoilage, onions, beets, vacuum packaging 4882.
starter cultures, kefir 186.
Lactobacillus acidophillus,
activity, threonine aldolase, alcohol dehydrogenase, effects on milk flavor 7587.
casein proteolysis 4800.
dential cement+chlorhexidine gluconate antibacterial activity 677.
tood wastes fermentation, antiviral activity 7595.
lactacin B production, artibacterial activity 7172.
milk, heat treatments effects on 6664.
milk, lactose digestion, intestinal microflora, man, 7581.
milk, lactose digestion, intestinal microflora, man, 7581.
production, aceloin, 2,3-butanedione, pyruvic acid effects on 4721.
purfication, characterization, profeins antibiotics 8207.
rumen microorganisms, avoparcin effects on growth 8035.
starter cultures, yoguri 2914.

Lactobacillus acidophilus, (continued)
whey media (culture) 8146.
Lactobacillus brazillo acido (culture) 8146.
Lactobacillus brazillo (culture) 8146.
use, biological control, Brochothrix thermosphacta food contamination, meat

products Lactobacillus 4835. Lactobacillus brevis var.lindieri,

acid production, starter cultures, sourdough 5620.

Lactobacilius bulgaricus,
activity, threonine aldolase, alcohol dehydrogenase, effects on milk flavor 7587.
casein proteolysis 4800.

casein proteolysis 4800.
effects on, ripening, cheese 200.
β-D-galactosidase immobilization, polyacrylamide gels 9176.
β-D-galactosidase, immobilized enzymes, activity preservation 7394.
β-D-galactosidase, immobilized enzymes, use egg shells carriers 9138.
production, antileukemia agents 5544
proteinase effects on milk proteins 4796.

y radiation induction mutants, acid production, proteolytic enzymes activity,

starter cultures, antimicrobial activity, vitamins, -b-D-galactosidase activity, yogurt 7591

youth 735.

Starter cultures, fermentation, soybean milk 216.

+Streptococcus thermophilus, galactose fermentation, cheese production 8461.

+Streptococcus thermophilus, mixed culture, yoghurt fermentation effects on

sugars 3829. Streptococcus thermophilus, yoghurt starter cultures, relationship, milk 3848.

Streptococcus thermophilus, yoghurt starter cultures, relationship, milk 3848 Lactobaciflus casel, contamination, cheese production 9274. colacin, food contamination, chromatography 4781. p-halo-DL-phenylalanne derivatives, antibacterial activity, structure-activity relationships 7085. lactate dehydrogenase, allosteric properties, E.S.R. 39. lactate dehydrogenase, amino acid sequence 8278. polypolyglutamate synthetase, purification, characterization 67. production, acetion, 2,3-butanedione, pyrvuic acid effects on 4721. γ radiation induction mutants, acid production, proteolytic enzymes activity, milk 8200.

milk 8200.

rumen microorganisms, avoparcin effects on growth 8035. tetrahydrofolate dehydrogenase interaction methotrexate analogs, fluorescence 2801.

2801. tetrahydrofolate dehydrogenase, NADP⁺, thioNADP⁺ binding, nuclear Overhauser effect 2785. thymidylate synthase, N.M.R. 2759. use, measuring techniques, folic acid content, foods 7238. Lactobacillus casei subsp.rhamnosus, inactivation, food spoilage rates, incubation temperature effects on 2926. Lactobacillus confusus, call dispring methodology class. cell disruption, methodology glass beads 6337. Lactobacillus curvatus,

Lactobacillus curvatus, lactate dehydrogenase, allosteric properties, E.S.R. 39. Lactobacillus deibreuckil, lactic acid production, fermenters 11. Lactobacillus fermentum, Lactobacillus fermentum, heat resistance, pectin protection, tomatoes juices 6660. Lactobacillus acidophius lactacin B antibacterial activity 7172. production, acetoin, 2,3-butanedione, pyruvic acid effects on 4721. Lactobacillus helveflucus, effects on, ripening, cheese 200. Lactobacillus acidophilus lactacin B antibacterial activity 7172. + Streptococcus thermophilus, galactose fermentation, cheese production 8461. Jacobacillus lacties, effects on 7, ripening, cheese 200.

effects on, ripening, cheese 200.
+potassium sorbate, inhibition growth, psychrotrophic bacteria, milk 7579.
Lactobacillus leichmannil,

use, folic acid, cyanocobolamin, serum levels, man, bioassays 885.

Lactobacilitus leichmannii, use, folio caid, cyanocobolamin, serum levels, man, bioassays 885. Lactobacilitus murinus, p-D-galactosidase purification, characterization 9161. isocitrate lyase, purification, characterization 7336. Lactobacilitus plantarum, amino acids biodegradation 7549. antibacterial activity, oleuropein hydrolysis products 7925. fensultothion biodegradation 7538. fementation, Olea europeae, heat treatments, factors affecting 7592. iactic acid fermentation, vegetables 5607. plages, starter cultures, metat, isolation, characterization 6676. silage fermentation 9262. starter cultures, continous culture, methodology 6343. use, biological control, Brochothrix thermosphacta food contamination, meat products Lactobacilius 4835. viability, freezing, freeze drying 8116. Lactobacilius seke, antibiotic F 16-2 resistant mutant screening 7896. Lactobacilius vaccinostercus sp.nov.,

α-hydroxysteroid dehydrogenase, purification, characterization 5525. **Lactoferrin**,

antibacterial activity, relationship microflora immune response, Mammalia, reviews 5176

interaction, nitrite, inhibition, Bacillus cereus, sporulation 3329. Lactones,

Lactones, included in Bacillus subtilis 3':5'-cyclic-nucleotide phosphodiesterase inhibitor 7304, sequences, relationary and sequences, relationary annual, antimicrobial activity 7953. Lactoperoxidate. Hitydrogen perceide thickness on cheese fermentation 4809. Lactose, integrational integration and background and sequences.

digestion, intestinal microflora, Lactobacillus acidophilus milk, man 7581. fermentation, Bacteroides polypragmatus 2864.

Lactose, (continued) fermentation, Streptococcus lactis mutants, starter cultures, cheddar cheese production 7570.

production 7570.

hydrohysis, B-D-galactosidase, fungi, use yogurt production, skim milk 7569, hydrohysis, B-D-galactosidase biosynthesis 6556, milk products furmerlation effects on 4855.

solutions, heat sterilization, Thermomonospora growth inhibition 2907, whey, hydrohysis, B-D-galactosidase 8471.

Lactor-glutathione lysse, glutathione derivatives inhibition, yeasts 84, substrate specificity, mechanisms, yeasts 7368.

Lactuca,

Lactuca,
Bremia lactucae disease resistance 6865.

disease resistance, pathogenicity, Cucumber mosaic virus, genetic analysis 3135. Lactuca sativa,

beet yellows virus infection, disease transmission, Trialeurodes vaporariorum 9431. big vein disease, lettuce big vein virus, methyl bromide, carbendazım. disease

big vein disease, lettuce big vein virus, methyl bromide, carbendazım, disease control 6893.

Control 6893.

Serial alcuber infection, penetration, pathogenesis 8587.

Bermial alcubea infection, virulence, USA, New York 402.

disease resistance, association, virulence, Bremia lactucae, downy mildew 6820.

disease resistance, downy mildew, Bremia lactucae 8609.

disease resistance, genes, downy mildew, Bremia lactucae 3809.

disease resistance, genes, downy mildew, Bremia lactucae 3126.

downy mildew, Bremia lactucae, metalaxyl disease control 5837.

downy mildew, Bremia lactucae, wirulence assays 3091.

metham sodium, disease control, lettuce drop, Sclerotinia minor 4002.

necrotic yellows virus, detection, enzyme-linked immunosorbent assay, vectors, Hyperomyzus lactucae 415.

pathogenicity, Sclerotinia sclerotiorum, sclerotia pigmentation 6830.

rhabdovirus infection, cytology 1234.

roots, plant diseases, fungi, bacteria 9411.

seeds, lettuce mosaic virus detection, enzyme-linked immunosorbent assay, USA, Florida 5017.

seeds, radioimmunosorbent test detection lettuce mosaic virus 1754.

Florida 5017.
seeds, radioimmunosorbent test detection lettuce mosaic virus 1754.
seeds, radioimmunosorbent test detection lettuce mosaic virus 1754.
set rot, Erwinia carotovora subsp. carotovora, pathology 9384.
symbiosis, Glomus mosseae, nitrate, phosphate, effects on 5903.

Leetsaria Fuctorrinia,
solation, soil, media (selective) 4212.
Leetsaria Fuctorrinia,
infection, Gramineae, pathogenesis 3933.
infection, Gramineae, symptoms 3014.
infection, relationship soil fertility, Lolium perenne, Festuca rubra 9357.
Leenaria vullaria.

Lagenaria vulgaria, fruit rot, Botryodipiodia theobromae, phenois levels 7718.

fruit rot, Bothyodijoiddia theobromae, phenois levels 7718.

Lagenidium,
Imparanol transformation, metabolites 1965.

Lagenidium gliganteum,
biological control, Aedes taeniorhynchus 2834.
biological control, pest control, Culicidae 1014.
biological control, survival, overwintering, paddy fields, infectivity, Culicidae 6615.
toxicity, insecticides, herbicides, fungicides 6060.
zoospores production, liquid culture 1816.

zoospores, production, media 8162. Lagomorpha, feeding damage, Cronartium, blister rust, Pinus 2318. Lagoons,

animal wastes, waste treatment, bacteria population dynamics 4434.
sewage effluents, anaerobic conditions, Thiopedia rosea flocculation 8064.
Lagoain,
Streptomyces, comparison, fungichromin, cogomycin, physicochemical properties,
biological properties 2591.

Colongical properties

aromatic compounds mineralization, bacteria 2008.
bacteria distribution, Italy, seasonal variations 7203.
microbial pollution, Klebsiella pneumoniae survival, industrial effluents, pulp

mills 1715.
mines drainage, effects on, bacteria, community structure 8068.
polar environments, acids effects on plant debris biodegradation, microorganisms.

polar environments, microorganisms succession, leaf litter decay 1061.

polar environments, microorganisms succession, leat litter decay 1061. Salmonella, microbial politiuton 1723. sediments, bacteria, dehalogenation, halogenated aromatic compounds 6648. sediments, bacteria, factors affecting methanogenesis 624. sediments fatty acid composition, organic compounds biodegradation, bacteria

USA, Alaska, Carex plant debris, biodegradation, nutrient enrichment effects on

USA, Washington, nitrogen cycle, volcanoes, environmental impact, effects on bacteria 5122.

Lamellicotic anhydride, Verticillium lamellicola, characterization 8378.

verticilium lameliicola, characterization 8378.
Laminar alir flow,
prophylaxis, postoperative infection, man 3497.
safely cabinets, safely regulations, pathogens 5337.
safely equipment, bacteria assays 5332.
Laminum amplexicaule,
disease reservoirs, tomato ringspot virus, prunus 1209.

Lamoxactam, antibacterial activity 3399.

antibacterial activity, disc-diffusion test 9741.
antibacterial activity, Pseudomonas aeruginosa, agar diffusion test 728. Land disposal,

compositing, industrial wastes, reviews 6242. crop residues, food processing solid wastes, soll microorganisms decomposition,

reviews 5981.
industrial wastes, oil microorganisms biodegradation, petroleum 5983.
industrial wastes, oil and gas industry, soil microorganisms biodegradation, petroleum 5983.
industrial wastes, pathogens inactivation, occupational exposure risks, reviews

industrial wastes, soil microorganisms biodegradation, books 6360. organic compounds, toxicants, decomposition, soil microorganisms, reviews 5977 pharmaceuticals industrial wastes, soil microorganisms decomposition, reviews

Land disposal, (continued)

sewage sludge, salinity effects on decomposition, nitrogen, mineralization 8955 solid wastes, soil microorganisms decomposition, reviews 5976.

Land reclamation,

Increase analysis, microorganisms, enzymes 7822.
mines, ectomycorrhizas effects on revegetation, Pinus taeda 2305.
mines, endomycorrhizas spores abundance, rhizosphere, trees 9541.
mines, Phaseolus vulgaris inoculation, Rhizobium phaseoli, nitrogen fixation

5108

5108. Pinus taeda, mycorrhizas, soil amendment, revegetation 2302. mines, revegetation, mycorrhizas innoculation, Conflerales 519. revegetation, mines, soil amendment, vesicular-arbuscular mycorrhizas colonization roots. Agropyron trachycaulum 9542. vesicular-arbuscular mycorrhizas, inoculum production, nutrient uptake 9540.

Landfills,

methanogenesis, waste disposal 4263.

Langerhars cells, solution methodology, association, immunoabsorption, use, Staphylococcus aureus 5395.

Lapachol, antiviral activity 7106.

Larix, defoliation, association fungi, Adelges grazing 540.

Larix decidua, needlecast, Mycosphaerella laricina, new records, USA 9527.

Larix laricina.

canker, Lachnellula willkommii 1465. Lachnellula willkommii canker, USA, Maine 5876. Larrix leptolepis, shoot blight, Guignardia laricina, association, phytotoxins 4161.

Adoxophyes orana, biological control, nuclear polyhedrosis virus 8358.

Adedes aegypti, Bacillus thuringiensis subsp.israelensis treatment pathogenesis 3721.

3721.
Aedes aegypti, biologtrol activity, Bacillus thuringiensis, Bacillus sphaencus cell culture 7486.
Aedes aegypti, biological control activity, Bacillus thuringiensis, Bacillus sphaencus cell culture 8349.
Aedes aegypti, biological control, Bacillus thuringiensis crystals, potassium carbonate effects on 4717.
Aedes aegypti, biological control, histopathology, 8-endotoxin, Bacillus thuringiensis 1019.
Agrotis segetum, mass rearing, production, granulosis virus, biological control \$211.

Anopheles stephensi, biological control, Bacıllus sphaericus, heat inactivation 6612

bot12.

Bombyx mort, midgut cells, Bacillus thuringiensis toxins pathogenesis 3738.

Culex fatigans, toxicity, histopathology, Bacillus sphaericus 8363.

Culicidae, biological control, asociation Bacillus thuringiensis

subsp.israeliensis plasmids 2842.

Subspisraeliensis plasmids 2842.
Culicidae, biological control, Bacillus sphaericus 6611.
Culicidae, biological control, Bacillus sphaericus 6611.
Culicidae, biological control, use Bacillus thuringiensis 7-endotoxin toxicity, stability 294.
Culicidae, lethatily, association, Bacillus thuringiensis var.israelensis toxins biosynthesis, factors affecting 306.
Culicinomyces, biological control, Bathogens, fungi 1013.
Epitrix, biological control, Beauveria 985.
Heliothis virescens, biological control, baculovirus 4719.
Otiorhynchus sulcatus, biological control, Metarhizium anisopliae 996.
Platynota idaevaslis, Bacillus thuringiensis subsp. kurstakit toxicity, association formaldehyde dietary intake 7498.
Sophthalmus maximus, infection treatment, antibacterial agents, Brachionus plicalisis, food sources, aquaculture 7609.
Simulium damnosum, biological control, Bacillus thuringiensis, field trials 6609.
Simulium damnosum, biological control, Bacillus thuringiensis, storage, tropical environment 6610.

environment 6610.

Spodoptera exigua, Paecilomyces farinosus infectivity, field trials 7504.
toxicity, pest control, Bacillus thuringiensis, Culicidae 297.
toxins, histopathology, midgut, Bacillus sphaericus, Culicidae 1022.

Larricides,
biological control, factors affecting, Bacillus thuringiensis, Culex
quinquefasciatus, Aedes aegypti, Anopheles albimanus, Anopheles quadrimaculatus
8380.

pesticide applications, equipment, methodology, Bacillus thuringiensis, Culicidae

9204 nephelometry, automated methods, use, bacteria antibiotic sensitivity testing 9737.

9737.
Lasiobolidium orbizculoides,
cellulose decomposition 2879.
Lasmodiophora brassicae,
races, detection, association, clubroot, USA 3977.
Lasas fever virus,
glycoproteins, detection, concanavalin A, methodology 3541,
indirect fluorescent antibody test, use β-propionolactone 3534. Latamoxef,

synthesis, antibacterial activity 4407.

Late blight,
lungicides, disease control, Solanum tuberosum 1388.
pathogenesis, Lycopersicon esculentum, role, sterol composition, light intensity
effects on 5785.

effects on 5765.

Phytophthora infestans, adaptability, disease resistance, Solanum tuberosum 8621.

Phytophthora infestans, disease spread, Solanum tuberosum, mathematical models 3881.

9381.
phytophthora infestans, fungicides, applications, Solanum tuberosum 4106.
Phytophthora infestans, fungicides resistance, measuring techniques, in vitro,
Solanum tuberosum 7991.
Phytophthora infestans, Lycopersicon esculentum 8572.
Phytophthora infestans, rediction, use, disease resistance, weather, effects on,
fungicides, Solanum tuberosum 8622.
Solanum tuberosum, epidemics, Africa, East 420.
Solanum tuberosum, epidemics, USA, Washington 1267.
Lateriramulosa un-Inflata,
cellulose decomposition 2903.

Letex agglutination,
antigens detection, Streptococcus group B, amniotic fluid, monkeys 9938.
blood donors, Clostridium tetani, tetanus toxins antibodies 3621.
Cryptococcus antigens, proteinase effects on interference factors 9992.
detection, antigens, Neisseria meningriidis, Haemophilus influenzae 2663.
detection, Haemophilus influenzae corebrospinal fluid, meningitis diagnosis 9941.
detection. rotavirus (human), feces, man 9864. detection, Haemophilus influenzae corebrospinal fluid, meningitis diagnosis 9941 detection, rotavirus (human), feces, man 9864. diagnosis, meningitis 9957. diagnosis, meningitis 9957. diagnosis, Neissena meningitidis, Haemophilus influenzae, meningitis, man 3597. identification, Ereptococcus, blood culture 5412. immune status determination, rubella, man 9842. methodology, Staphylococcus aureus identification 7235. Streptococcus, false-positives 9922. Lethyrus odoratus, programment of the programment of tors, disease transmission, pea enation mosaic virus, Acyrthosiphon pisum 342. Lathyrus sativus, phytoalexins production association Botrytis cinerea infection 6846 rhizosphere, soil properties, fungistasis 558. Latin America agricultural practices, research programs, symbiosis, Leguminoseae, Rhizobium Hemileia vastatrix, leaf rust, epidemiology, coffea arabica 1216. Laundry, hospitals, washing, water temperature effects on bacteria 3498. preservatives, preser urantum, presentation (Lead, bacteria uptake, wastewater treatment 5313. bacteroides susceptibility 681. content, rhizosphere microorganisms, rhizoplane microorganisms, soil, USSR 2334. effects on ammonification, nitrification, nitrifying bacteria, soil poliution 4238. effects on ectomycorrhizas, growth 3189. pollution, effects on, soil properties, humus, enzymatic activity, metabolism Leaf blight,

Hemileia vastatrix, epidemiology, coffea arabica, Latin America 1216. Hordeum, disease resistance genes, histology 2265. Kuenneola uredinis, Rubus, weed control, biological control, USA, Hawaii 9410. Melampsora medusae, photoperiod, effects on, pathogenesis, populus 6930. Melampsora medusae, Populus deltoides, Populus euramericama, temperature, role, Melampsora modusale, Populus oeticioles, Populus euramericana, temperatur disease resistance 6911. pathogenesis, Puccinia melanocephala, Saccharum officinale 5716. Puccinia hordei, disease resistance, association colonies abortion, Hordeum vulgare 4057. aget blight.
Alternaria alternata, Eclipta alba 8571.
bacteria, etiology, Zizania aquatica 5702.
Cercospora carotae, disease control, foliar applications, spraying equipment, Daucus carota 9484.
Colletotrichum dematium, Abelmoschus esculentus, pathogenesis 9412.
Cucumis melo, disease control, factors affecting pesticide applications 3150.
Drechslera furcica, medicinal plants extracts antifungal activity, Zea mays 7756.
Existronilium turcicum, disease resistance, HTM gene, Zea mays 5710.
Existronilium turcicum, disease resistance, HTM gene, Zea mays 5710.
Existronilium turcicum, races, virulence, Zea mays, USA, Ohio 7686.
Existronilium turcicum, virulence, disease resistance, HTM gene, Zea mays 1370.
Existronilium turcicum, virulence, disease resistance, HTM gene, Zea mays 1370.
Existronilium turcicum, virulence, disease resistance, HTM gene, Zea mays 1370.
Existronilium turcicum, virulence, disease resistance, HTM gene, Zea mays 1370.
Existronilium turcicum, virulence, disease resistance, HTM gene, Zea mays 1370.
Existronilium turcicum, virulence, disease resistance, HTM gene, Zea mays 1370.
Existronilium turcicum, virulence, disease resistance, HTM gene, Zea mays 1370.
Existronilium turcicum, virulence, disease resistance, Plat gene, Zea mays 1370.
Existronilium turcicum, virulence, disease resistance, Plat gene, Zea mays 1370.
Existronilium turcicum, disease resistance, HTM gene, Zea mays 1370.
Existronilium turcicum, virulence, disease resistance, Plat turcicum, Zea mays 1370.
Existronilium turcicum, disease resistance, Plat gene, Zea mays 1370.
Existronilium turcicum, virulence, disease sene control, comput 1280.

Existronilium turcicum, disease resistance, Plat gene, Zea mays 1370.
Existronilium turcicum, particum aestivum 3082.

Existronilium turcicum, gene automos activity, gene automos 2004.

Existronilium turcicum, gene automos 2004.

Existronilium turcicum, particum aestivum 2007.

Existronilium turcicum, gene automos 2004.

Existronilium aestivum 1280.

Existronilium aestivum 1280.

Existronilium aes vulgare 4057.

Puccinia hordei, virulence, Hordeum vulgare 2121.

Puccinia recondita, Infectivity, epidemiology, Triticum aestivum 370.

Puccinia recondita 1.5p. tritici, disease resistance, plant breeding, cultivars, Triticum aestivum 1338.

Puccinia recondita 1.5p. tritici, Septoria nodorum, disease control, triazbutyl, Triticum aestivum 506.

Puccinia recondita 1.5p. tritici, temporature affects on infectivity. Triticum Puccinia recondita f.sp.tritici, temperature effects on infectivity, Triticum aestivum 3932. Triticum aestivum disease resistance, genetic control, computer applications, USA, North Dakota 7730. negative bacteria, pathogenicity, Platanus occidentalis 9515. Galatripe,
Area catechu, epidemiology, Xanthomonas campestris pv.areace 8568.
Drechslera graminea, temperature effects on disease spread, Hordeum vulgare 1425.
Pyrenophora graminea, seed treatments, Hordeum vulgare 1435. sativa 6750.

Xanthomonas oryzae, Oryza sativa, disease resistance, germplasm analysis 5811.

Zea mays, factors affecting epidemiology 6772.

Zea mays germplasm, incidence 2131.

Zea flotoch,
Botrystis cinerea, Solanum tuberosum 2213.

Coniella granati, Pestalotiopesi versicolor, Punica granatum 7680.
Leptotrochila medicaginis, Medicago sativa, USA, Wyoming 9330.

Rhynchosporium secalis, disease control, fungicides, plant breeding, crop rotation, Hordeum vulgare 5809.

Rhynchosporium secalis, Hordeum, disease control, antifungal agents treatment timing 488.

Rhynchosporium secalis, Hordeum, disease control, antifungal agents treatment timing 488.

Rhynchosporium secalis, Hordeum vulgare 5728. Closterovirus, Vitis vinifera 3073.
Solanum tuberosum, etiology, beet western yellows virus 5796.
Vitis vinifera, pathogenesis, ultrastructure, virus-like particles 5782. viruses, Vitis vinifera, cytopathology, histopathology 429. Acremonium crotocinigenum, disease control, anilazine, Syngonium podophyllum 1423. 1423
Alianthus excelsa, Phoma medicaginis var pinodella, India 2221.
Alternara brassicrocia, incidence, pathogenicity, Brassica oleracea var capitata, Brazil 6318.
Alternaria, Cajanus cajan, India 3926.
Alternaria, Pathology, Schefflera arboricota, Brassaia actinophylla 3993.
Andropogon gerardi, Andropogon scoparius, Sorghastrum nutans 1174.
Aschochyta avenae, pathogenicity, climatic conditions, Avena sativa, Triticum aestivum, Hordeum vulgare 8549.
Bipolaris oryzae, Pyricularia oryzae, lesions, hypersensitive response, Oryza sativa 5039.
Reassica pleracea sends, disaage control incretione 608. uning 488.

Rhynchosporium secalis, Hordeum vulgare 5728.

Rhynchosporium secalis, Hordum vulgare 5730.

Septoria tritica, disease resistance, plant breeding, height, Triticum aestivum 454. of litter Acer rubrum, decomposition, soil microorganisms, flooding, nutrient dynamics 4194. Brassica oleracea seeds, disease control, iprodione 508. Acer rubrum, decomposition, soil microorganisms, nodding, numerit dynamics 4194. biodegradation, polygalacturonase, Hyphomycetes 2003. decay, microorganisms succession, polar environments, lakes 1061. decomposition, bacteria, carbon, nitrogen production, Fagus sylvatica, conferales, association, climate 2021. decomposition, forest floor, Basidiomycetes 1444. decomposition, forest floor, Fettilizer applications effects on, Tsuga heterophylla 6897. decomposition, fungi mycelia, Collembola grazing effects on, nitrogen, cations leaching 3212. decomposition, nitrogen balance, nutrient dynamics, Pinus sylvestris 3161. decomposition, nitrogen cycle, Coffea plantations 3218. decomposition, nitrogen cycle, forests 2308. decomposition, nitrogen cycle, forests 528. decomposition, nitrogen cycle, plantations, Theobroma cacao 3219. decomposition, nitrogen cycle, plantations, Theobroma cacao 3219. decomposition, nutrient dynamics, forests, Pinus silvestris, Sweden 2300. decomposition, nutrient dynamics, singerialization, forests 2294. decomposition, organic matter, Pinus silvestris 2299. decomposition, population levels, soil microorganisms, forests 5855. decomposition, role saprophytes, Abies alba 6906. brassia uleracea seeus, disease confini, iprodinte soo.

Capsicum annuum, Xanthomonas campestris pv. vesizatoria, disease resistance 7742.

Cercospora arachidicola, Cercosporidium personatum, chlorothalonil, disease control, Arachis hypogaea 1409.

Cercospora arachidicola, disease resistance, Arachis hypogaea, genetic analysis

Leaf litter, (continued)

decomposition, soil microorganisms, analytical techniques 2351, decomposition, soil microorganisms, nitrogen cycle 2362, decomposition, soil microorganisms, nutrient availability, sulfur, acid rain, pollution effects 9507.

political releases 907.

decomposition, tropical environment, forests, Guyana 8447.

Dictyostelida, ecological distribution, forest floor 5849.

Eucalyptus, biodegradation, relative humidity, substrates water content effects on 153.

Tungi, colonization, biodegradation 3771,
Tungi decomposition, Abies alba 2301.
Tungi, nutrient cycles, ecosystem analysis 5889.
Tungi, nutrient cycles, ecosystem analysis 5889.
Tungi, species composition, population levels, forests, tropical environment 1443. microorganisms biomass determination methodology 3513. nutrient dynamics, forest floor, Pinus contorta subsp.latifolia, USA, Wyoming

organic matter, biodegradation, microorganisms, alpine environments, Austria 9556.

seaf rust,
Coffea arabica, disease control, Hemileia vastatrix 4076,
disease control, Trificum aestivum, fungicides 2273,
disease resistance, genetic variance, Triticum aestivum 1161,
disease resistance, Sorghum vulgare 1366,
Gramineae, Puccinia, disease resistance histology 2264.
Hemileia vastatrix, Coffea, pathogenicity 6784,
Hemileia vastatrix, disease control, fungicides, Coffea arabica 1341.
Hemileia vastatrix, disease resistance, Coffea canephora, light intensity effects
on 3962.

Hemileia vastatrix, disease resistance, detection, methodology, Coffea canephora Hemileia vastatrix, disease resistance, leaves age effects on, Coffea arabica

Pinus radiata, stands, fungi, biodegradation 3796.
Pinus, soil microorganisms, methyl bromide, dazomet, effects on 3250.
Populus tremuloides, biodegradation, fungi 8045.

452 452. Cercospora arachidicola, effects on nodulation, growth, seedlings, Arachis hypogaea 341. Cercospora arachidicola, interspecific relationships, Phoma arachidicola blotch, yield, Arachis hypogaea 2998. Cercospora, Arachis hypogaea, bayistin effects on 4119. Cercospora zaeae-maydis, pathology, Zea mays 9337. Cercospora zeae-maydis, relative humidity, dew, effects on, pathogenesis, zea mays 2137. Cercospora zeae-maydis, relative humidity, daw, effects on, pamogenesis, zei mays 2136.

Cercosporidium personatum, disease resistance, cultivars screening, Arachis hypogaea 9475.

Chrysalidocarpus lutescens, fungi, etiology 1269.

Colletorichum gloeosponioides, Fragaria 9425.

Corynebacterium flaccumfaciens, Glycine max 9323.

Corynespora casiicola, Aeschynanthus pulcher 2192.

Cristulariella monicola, pathology, Zizyphus mauritania 8596.

Cucumis sativus 1305.

Partylis olimprata, pathogenesis, visual perception, man, Stagonospora arena. Dactylis glomerata, pathogenesis, visual perception, man, Stagonospora arenaria 3101.

Leafspot, (continued)
Diffenbachia maculata, Fusarium solani 1268.
disease control. Dioscorea dumetorum, fungicides use 5061.
disease control. Iungicides, Arachis hypogaea 9485
disease resistance screening, Cercospora arachdicola sporulation, Arachis
hypogaea 5047.
disease resistance, Sorghum vulgare 1366.
Drechslera, Lolium, pathology 6768.
Drechslera setariae, Calathea, Maranta 9426.
Drechslera sorokinicala, Sorghum, etiology, pathogencity 9354.
Drechslera sorokinicala pathogenesis, Poa pratensis sugars, amino acids,
herbicides effects on 5718.
Drechslera sorokinican Poa pratensis leaves senescence, herbicides effects on
pathogenesis 9387
Drechslera teres, Hordeum vulgare 1173.

Drechslera sorokiniana, Poa pratensis leaves senescence, herbicides effects on pathogenesis 9387

Drechslera teres, Hordeum vulgare 1173.

Eucalyptus, New Zealand, fungi 7706.

Eucalyptus, New Zealand, fungi 7706.

Eucalyptus, Septoria pubcherman sp.nov., Trimmatostroma bifarium sp.nov., characterization 5085.

Ficus erecta, Pseudomonas ficuserectae sp.nov. 7715.

fungi, Cymbopogon martini 3985.

Glycine max, Aristastoma camarographioides 2997.

Helilanthus annuus, Alternaria helilanthi infection 1255.

Helminthosporium sativum, diesase resistance, heredity, Triticum aestivum 3121.

Heterosporium indis, Ins germanica, incidence, USA, Arkansas 4988.

Hordeum vulgare, symptoms, Septoria nodorum isolation, characterization, infectivity 6751.

Medicago sativa, surveys, Egypt 5670.

Medicago sativa, surveys, Egypt 5670.

Medicago sativa, surveys, Egypt 5670.

Mycosphaerella musicola, inadimeton disease control, Musa 4127.

Myromeoum condum, ornamented son anthogenesis 1274.

pathogenesis, Zea mays, sporulation, Cercospora zeae-maydis 3957.

Pestalozza palmarum, Helminthosporium, disease control, lungicides, Cocos nuclera 1391.

Piper nigrum, Xanthomonas campestris, relative humidity effects on pathogenicity 410.

410.
Pseudomonas andropogonis, pathology, Trifolium repens 9320.
Pseudomonas cichorii, pathogenicity, Pelargonium 5795.
Pseudomonas syringae pv.lachrymans, Cucumis sativus, disease control, seed treatments 9501.

treatments 9501.

Pseudomonas syringae pv. tagetis, Ambrosia artemisificiia 5003.

Pseudomonas syringae pv. tagetis, Ambrosia artemisificiia 5003.

Pseudomonas syringae pv. tagetis, seed-borne diseases, Helianthus annuus 1303.

Pseudopeziza medicaginis, Medicago sativa, USA, Wyoming 9330.

Pyrenopbora bornii, screening, disease resistance, Bromus inermis 9458.

Pyriculana penniseti, Pennisetum typhorides, air spora, analysis 4000.

Septoria helianthi, Helianthus annuus, new records, Palistan 7697.

Septoria helianthi, Iricidence, identification, Helianthus annuus, Turkey 9438.

Septoria Nepopersici, disease control, plant breeding, Lycopersicon esculentum 5048.

5048.

Septoria molleriana, Canavalia kauensis 4990.
Septoria veronicae, pathogenicity, Hebe 5757.

Simmondsia californica, pathogenesis, Pleospora herbarium, new records 8578.

Stemphylium botryosum, pathogenesis, iight, relative humidity effects on, Medicago sativa 1141.

viruses, Agave sisalana 7698.

Xanthomonas belticola, Piper betle, disease resistance 4023.

Xanthomonas campestris, susceptibility, magnesium levels, leaves, Capsicum 5841.

Xanthomonas phaseoli, bleaching powder, antibacterial activity, Vigna radiata 2289.

Xanthomonas phaseoli, disease control, fungicides, antibiotics, Vigna radiata 509

Leandria momordica, spot, pathology, Cucumis sativus 5768.

Sport, particledy, Cucumis Sativus 5768.

Leaves,
Acer platancides, Acer pseudoplatanus, viruses infection 2309, age, Solanum tuberosum, disease transmission, potato leaf roll virus, Myzus persicae 2182.

Allium cepa, age, relationship, Alternaria porri infection sensitivity 4009.

Arachis hypogaea, volatiles, effects on Scierotinia minor scierotia germination, blight 4937.

blight 4937.

Avena sativa, defense mechanisms, Pyrenophora teres infection 1356.

Beta vulgaris, extracts, detection, beet yellows virus, beet mild yellowing virus, enzyme-linked immunosorbent assay 3527.

Capsicum, magnesium levels, leafspot susceptibility, Xanthomonas campestris 5841.

Capsicum, magnesium levels, leafspot susceptibility, Xanthomonas campestris 5841.

Capsicum, and disease virus infection, plants, localization 313.

Coffea arabica, age effects on disease resistance, leaf rust, Hemileia vastatrix

4976 4970.
Crassulaceae, Colletotrichum gloeosporioides rot, detection methodology 9447

Crassulaceae, Culerotrichum giocosporioles rot, defection methodology 9447. crops, contamination, poliovirus, adenovirus, recovery methodology 1767. Crotalaria juncea, morphactin treatment, microorganisms ecology 7757. Cucumis sativus, carbohydrates metabolism, Sphaerotheca fuliginea infection, effects on 1273. Cucumis sativus, Vigna sinensis, protein composition, disease resistance, tobacco necrosis virus 9460. culture, Populus, Melampsora larici-populina growth, benzimidazole effects on 6880.

1. Sp. horde infection 483. hypersensitive response, viruses infection, Gomphrena globosa 2156. hypersensitive response, viruses infection, Gomphrena globosa 2156. hypersensitive response, viruses infection, Gomphrena globosa 2156. hypits suaveoloris, oils, artifungal activity, Helminthosporium oryzae 494, lesions, plant diseases, measuring techniques, computer applications, video image

Leaves, (continued)

saves, (continued) analysis 4924. lesions, Stylosanthes guianensis, Curvularia eragrostidis 3991. Lycopersicon esculentum, extracts, antifungal activity 695. Lycopersicon esculentum, infected, potato spindle tuber viroid double-stranded RNA 3044

HNA 3044. Manihot esculenta, cassava common mosaic virus infection, yield 407. Marssonina juglandis penetration, anthracnose, Juglans nigra 3029. Medicago rugosa, Helminthosporium carbonum infected, phytoalexins, isolation, characterization 1355.

characterization 1355.

Medicago sativa, phytoalexins, interaction, Verticillium albo-atrum 2999.

mesophyll, Citrus sinensis, Citrus limonia, disease resistance, Xanthomonas
campestris 456.

necrosis, Tritticum, yield reduction, Septona tritici infection 9368.

Nicotana tabacum, prost-harvest decay, Botryosporium longibrachiatum 9454.

Nicotana tabacum, proteplasts, tobacco mosaic virus infection 3041.

Nicotana tabacum, Pseudomonas pisi infection, hypersensitive response
association mesophyll 462.

Nicotana tabacum, Pseudomonas syringae pv.tabaci, lipopolysaccharides,
association, encapsulation 3064.

Nicotiana tabacum, tobacco mosaic virus infection, ultrastructure localization
4033.

Nicotiana tabacum, Tobacco mosaic virus infection, ultrastructure localization 4033.

Olea europaea, Pseudomonas syringae pv.savastoni, virulence 5742.

Oryza sativa, proline induction, rice tungro virus infection 1157.

Oryza sativa, proline induction, rice tungro virus infection 1157.

Oryza sativa, Xanthomonas oryzae, phytotoxins, purification, effects on 7640.

Passalora infection, Zizyphus rotundifolia 7790.

Persea americana, avocado sunblotch disease viroid infected, RNA detection 3028.

Persea americana, avocado sunblotch disease viroid infected, RNA detection 3028.

Pinus nigra, Pinus sylvestris, Cronaritum flaccidum association, basidiospores spore germination 4154.

Pinus sylvestris, fungi infection, relationship, age 4177.

Pisum sativum, defense mechanisms, endopolygalacturonase inhibitor induction, Asocchyta pisi infection 1350.

Pisum sativum, pea enation mosaic virus infection, pathogenesis 3930.

Poa pratensis, senescence, Drechslera sorokiniana leafspot, herbicides effects on pathogenesis 9387.

Potato virus M leveis, Solanum tuberosum 7693.

Protains, Phaseolus vulgaris, hypersensitive response, infection, Colletotrichum indemuthianum, affafa mosaic virus, peanut stunt virus 1333.

Rhododendron obtusum, bioassays, Phytophthora cinnamomi, soil 324.

Ribes nigrum, sakuranetin, antitingal activity, Bothytis cinnera 1332.

ribonuclease, role inhibition iobacco mosaic virus, potato virus X, multiplication, pathogenicity

Solanum tuberosum, susceptibility, Phytophthora infestans infection, pathogenicity response 3086.

Solanum tuberosum, Verticillum albo-atrum infection, pathology, hypersen: response 3086.

Sorghum bicolor, use, Peronosclerospora sorghi types differentiation 3936.

Thalassia testudinum, fungal flora, sterilization methodology 3623.

tobacco, post-harvest decay, thermophilic fungi, association storage 8599.

Triticum aestivum, defense mechanisms, lignin induction, Botrytis cinerea infection 1368.

Triticum aestivum, Puccinia recondita uredinia growth rate association 6748. ultrastructure, hypersensitive response, Pseudomonas pisi, Nicotiana tabacum 6790

6.790. Vits vinifera, grapevine fanleaf virus mixed infection 5784.
Zea mays, application, Colletotrichum graminicola, Helminthosporium maydis, spores, methodology, humidity 9081.

Vrits vinifera, grapevine fanleaf virus mixed infection 5794.
Zea mays, application, Colletotrichium graminicola, Helminthosporium maydis, spores, methodology, humidity 9081
Lectins,
1. affinity chromatography, isolation, infectious anemia virus envelopes glycoproteins 6097.
characterization, Pseudomonas aeruginosa 6378.
purification, physicochemical properties, Aleuria aurantia 6377.
Streptomyces, purification, physicochemical properties 1967.
Trifolium repens, roots exudates, binding capsules Rhizobium trifolii 1508.
Vicia faba, Rhizobium leguminosarum interaction, 2,4-D, 2,4,5-T, effects on agglutination 6892.
Legioneila, amino acids, proteinase activity analysis methodology 7239.
carbohydrates antigens, enzyme-linked immunosorbent assay 6307.
incidence, dinnking water 2624.
Legioneila bozemanii,
carbohydrates antigens, enzyme-linked immunosorbent assay 6307.
Legioneila incidadei,
carbohydrates antigens, enzyme-linked immunosorbent assay 6307.
Legioneila micdadei,
carbohydrates antigens, enzyme-linked immunosorbent assay 6307.
Legioneila pneumophila, antibiotic sensitivity testing 9738.
antibiodies inclaidadei,
carbohydrates antigens, enzyme-linked immunosorbent assay 6307.
colonization, relationship hot water temperature, hospitals 8972.
contamination, cooling water, effection methodology 3474.
cooling towers, biocides, antimicrobial activity 5221.
incidence, cooling water, antimicrobial activity 5221.
incidence, cooling water, antimicrobial activity 5221.
incidence, cooling water, antimicrobial activity 5231.
incidence, cooling water, antimicrobial activity 5231.

detection 9937. identification, latex agglutination 9911. incidence, cooling water, antimicrobial agents effects on, British Isles 1706. isolation, pH effects on media (culture) 9953. Legionellosis, water-borne diseases, man, drinking water 2633. legionnaire's disease, diagnosis; indirect fluorescent antibody test, man 867. Legionnaire's disease, man, detection, cell agglutination methodology 3588. proteins characterization, electrophoresis 9128.

proteins characterization, electropnoresis 9128.
starning, itssues 5377.
survival, decontamination, paraformaldelyde, laboratories 2459.
susceptibility, myelioperoxidase, xanthine oxidase, association, oxygen 2429.
water isolates, hospitals, Europe 6263.
water supplies contamination, hospitals 1719.

Legionellacese, proteins characterization, electrophoresis 9128 Leptosphaeria maculans, (continued) Legioneliosis, water-borne diseases, man, drinking water 2633 water-corne diseases, then, distinction to the disease of the disease, diagnosis, indirect fluorescent antibody test, man 867, diagnosis, indirect fluorescent antibody test, man 867, man, detection, Legionella pneumophila cell agglutination methodology 3588.

Legislation, Limulus lysate test, endotoxins, toxicity testing 6712.

guminoae

Australia, Rhizobium isolation, charactenzation 6990.

cross-infectivity, Rhizobium 5965.

field trials, Rhizobium inoculum analysis 5132.

interspecific relationships, mutualism, mycorrhizas, Rhizobium 9555.

nitrogen fixation, acidity, soil chemistry, agricultural land 5956.

nitrogen fixation, association, glutamate synthase, role, ammonia assimilation 5939. nttrogen fixation, association, guitamate synthase, role, ammonia assimilation 5939.

ntrogen fixation, books 8177.

ntrogen fixation, carbon flux association 5938.

ntrogen fixation, carbon flux association 5938.

ntrogen fixation, strogen fertilizers effects on 5105.

ntrogen fixation, ntrogen fertilizers effects on 5105.

ntrogen fixation, ntrogen fertilizers effects on 5105.

nodulation, ntrogen-fixing bacteria, conferences 7004.

nodulation, Rhizobium phaseoli, strains competition 4245.

nodulation, Rhizobium phaseoli, strains competition 4245.

nodulation, Rhizobium phaseoli, strains competition 4245.

nodulation, Rhizobium hydrogenase activity 7837.

plant diseases, surveys 7859.

plant viruses, identification, USA, Tennessee 5889.

powdery mildew, epidemiology, Erysiphe cichoracearum 8536.

Rhizobium inefection, effects on Grammeae 2113.

Rhizobium japonicum nitrogen fixation, hydrogen production, recycling 5936.

Rhizobium paponicum, survival, association, sewage sludge soll amendment 7832.

Rhizobium nodulation, nitrogen fixation, herbicides application effects on 6888.

ntizosphere, phosphate-dissolving bacteria 2333.

root hairs, nodulation, roli modele-3-acetic acid, Rhizobium 1509.

roots ethylene biosynthesis, Rhizobium nodulation, sulfur fertilizers effects on 1503. Lesions. 1503 rust, fungi, bioassays, detection, chitin 6737. seeds, inoculation, Rhizobium japonicum, Rhizobium phaseoli, survival, liquid culture 1786. seeds, Rhizobium inoculation, problems, Israel 5945. seeds, +Rhizobium, survival, inoculum methodology effects on 1510. solar radiation effects on, Rhizobium nitrogen fixation, growth 5115. nitrogen fixation, soil microorganisms comparison 601 agricultural practices, research programs, symbiosis, Rhizobium, Latin America host range. Colletotrichum trifolii 1139. nost range, Coneconculum micros-emonniera aquatica, biodegradation, Populus tremuloides, leaf litter 8045. emonniera terrestins, biodegradation, Populus tremuloides, leaf litter 8045. biological authority - professional commons, post-harvest decay, sour rot, disease control, CGA-64251 1322.

Lens cullnarts, plant diseases, surveys 7659, symbiosis, Rhizobium, salinity tolerance effects on 5955.

Lens esculents, nodulation. Rhizobium leguminosarum competitiveness 3235. asymptomatic infection, Fusarium oxysporum f.sp.ciceri 4938.

entinua edodes,
antitumor agents, carbohydrate composition 1963.
y-glutamylnicotianine, y-glutamylgiutamic acid, purification 914.

entinua lepideus,
sesquiterpenes 4259.
enzites pallsotti,
post-harvest decay, Hevea brasiliensis cellulose, lignins, Malaysia 7791.
enoroita nepetaefolla,
host plants, Phomopsis, new records, Brazil 6826.
enurus sibiricus,
host plants, Phomopsis, new records, Brazil 6826.
sour cherry necrotic ring spot virus infection 2144.
epidoptera, 5017 Leucine. 6308 epidoptera, biological control, Bacillus thuringiensis spores, persistence, leaves 1006. biological control, pathogens, Nomuraea rileyi 1010. biological control, Bacillus thuringiensis spores, persistence, leaves 1006. biological control, pathogens, Nomuraea rileyi 1010.

**Diological control, pathogens, Nomuraea rileyi 1010.

**Diological control, pathogens, Nomuraea rileyi 1010.

**Diological control, pathogens, Nomuraea rileyi 1010.

**Agrinology, radicimmunoassay, man 848.

**Mycobactenium leprae, immunoassays, epidemiology, man 846.

**Subclinical infection detection, fluorescent antibody test, man 847.

**Spitiontarea decemilineata, pathogenicity, Beauveria bassiana conidia foliar application, Solanum tuberosum leaves, bioassays, biological control 7482.

**Spitiontarea decemilineata, pathogenicity, Pinus ponderosa 5082.

**Spitomycin A, Streptomyces biosynthesis, physicochemical properties, antifungal activity, Schizosaccharomyces pombe, Mucor 8028.

**Streptomyces, structure 8029.

**Schizosaccharomyces pombe, Mucor 8028.

**Streptomyces, structure 8029.

**Spitomycias, Spitomycias, Gaeumannomyces graminis var.tritici, Phytophthora cinnamomi, Cochilobolus sativus, soil 563.

**spitomycias, New Zealand 7774. Leucomycln

potospermum, mycorhizas, New Zealand 7774. spotospheria maculans, incidence, Brassica seed crops, British Isles, surveys 4042. latent infection, Brassica napus 4041.

reproduction stages suppression, chemicals treatment, Brassica napus crop residues 463 Leptospira, agglutination micromethods, standardization, antigens concentration association Pacourage de la comparación de Leptospira biflexa, Leptospira bimosz, aggiutination, immunodiagnosis, Leptospirosis, man 5380.

Leptospira canicola,
combined vaccines, antibody response, dogs 3449.

Leptospira icterohaemorrhagiae,
combined vaccines, antibody response, dogs 3449.

Leptospira icterohaemorrhagiae,
water collution riverse enidemology, infection, man 6266. Leptospira icterohemorrhagiae, water poliution, rivers, epidemiology, infection, man 6266. Leptospira interrogans; epidemiology, infection, man 6266. Leptospira interrogans ser.hardjo, drug sensitivity testing 8780. enzyme-linked immunosorbent assay, antibodies, cattle 8118. vaccines, immunogenicity, animal models 3455. Leptospira interrogans ser.pomona, enzyme-linked immunosorbent assay, antibodies, cattle 8118. vaccines, immunogenicity, animal models 3455. Leptospirosis, immunogenicity, animal models 3455. immunodiagnosis, agglutination, Leptospira biflexa antigens, man 5380. man, animals, diagnosis methodology 2662. Leptothrix, contamination, wells 3483. Leptotrochila medicaginis, leaf blotch, Medicago sativa, USA, Wyoming 9330. assays, use, Phaseolus vulgaris, pathogenicity, infection, bean common mosaic virus, soybean mosaic virus, soybean mosaic virus 6542. Bothytis fabae infection, Virus faba, spatial dismbution, statistical analysis methodology 2110. development, Vicia rába, spätial distribution, statistical analysis methodology 2110. development, Vicia rába, siderophores, Botrytis cinerea 3000. lidney, pigs, contamination, Hordeum vulgare, ochratoxin A, Aspergillus ochraceus 7622. leaves, Curvularia eragrostidis, Stylosanthes guianensis 3991. Lucerne transient streak virus, RNA, induction, Chenopodium amaranticolor 5779. Physaiis angulata, methodology, use, detection, potato virus A mixed infection 2157. 2137.
Septonia glycines brown spot, Glycine max, relationship seeds color 5684.

Repedeza cureata,
Rhizoctonia blight, disease resistance, plant breeding 6866.

Rhizoctonia blight, pathogenicity, seeds yield association 6745. Lertuce, juices, bacteria contamination, public health, man 4792. refrigeration, nitrate-reducing bacteria growth 3836 Lettuce big vein virus, big vein virus, big vein disease, methyl bromide, carbendazim, disease control, Lactuca sativa 6889. Lettuce drop,
Sclerotinia minor, disease control, metham sodium, Lactuca sativa 4002. Lettuce mosaic virus, detection, Lactuca sativa seeds, enzyme-linked immunosorbent assay, USA, Florida infection, Taraxacum 2177 radioimmunosorbent test detection, Lactuca sativa seeds 1754. Leucaena leucocephala, nodulation, rhizosphere microorganisms, Rhizobium 5959. Rhizobium, inoculation Desmanthus virgatus, tests, dilution frequency 1505. conversion, 3-methyl-1-butanot biosynthesis, Saccharomyces cerevisiae, valine effects on, nutrient requirements 3724. Leucine dehydrogenase,
Bacillus sphaericus, Bacillus megaterium, use aminopeptidase assays, serum, man Leucinostatin B. stereochemistry, uncouplers, mitochondria 9777.

Leucoagricus naucina,
basidalin biosynthesis, physicochemical properties 6219. aglycone, Streptoverticillium kitasatoensis biosynthesis 8904. Leuconostoc, aroma compounds production, mutation stimulation 7474, fermentation, Pentaclethra macrophylla seeds 6675. fermentation, sauerkraut 5608, starter cultures temperature, buttermilk production 4802. Leuconostoc cremoris, fermentation effects on proteins, milk products production 4805. Leuconostoc lactis, inoculum, cheese, production 198. inoculum, cheese, production 198.
Leuconactio mesenteroides,
fensulfothion biodegradation 7538,
glucose-6-phosphate dehydrogenase, kinetics, mathematical models 6489,
glucose-6-phosphate dehydrogenase, purification 4617,
incidence, ethanol fermentation, vine storage 9243,
sucrose phosphorylase, production 4671,
use, biological control. Brochothmx thermosphacta food contamination, meat
products Lactobacillus 4835. Coulture, use, when, fermentation 4741.
Incidence, ethanol fermentation, who storage 9243.
Incidence, ethanol fermentation, who storage 9243.
Incidence, ethanol fermentation, solids effects on, wine 9757.
Incidence fermentation, solids effects on, who 8757.
Incidentation for the storage of the solid fermentation, when 9761.
Incidentation for the solid fermentation fermentation for the solid fermentation fermentati

Leucostoms cincta, infection, Prunus persica, disease resistance 3963.

Lignocellulose, (continued)
biodegradation, microorganisms 3800.
biodegradation, Phanerochaete chrysosporium, oxygen role 7550.
biodegradation, Sportorchum pulverulentum companison Dichomitus squalens 1999.
biodegradation, thermophilic lungi 6841.
biodegradation, Trichoderma, screening 3795.
degradation, Agancus bisporus cultivation, nutritive value, reviews 7596.
enzymes Mydrolysis, cellulolyste microorganisms, reviews 7540.
fermentation, Trichoderma reesei cellulase adsorption characterization 7530.
Lignocelluloses. Leukocytes (mononuclear), horses, herpesvirus (equine) infection, detection assays 3535 Levan. production, Zymomonas mobilis immobilized cells, association, sucrose fermentation 9192 biosynthesis, acetic acid bacteria 1956. Levansucrase,
Zymomonas mobilis, purification, glucose, ethanol, inhibition activity 8270. Lignocelluloses, biodegradation, Chaetomium cellulolyticum, single-cell protein production, nutritive value, toxicity testing, laboratory animals 9116. biodegradation, Fusanium 9261. Levelliula taurica, powdery mildew, pathology, Cucumis sativus 5776. Levomycetin, evomycetin, antibiotic resistance, Pseudomonas aeruginosa 7023. effects on, Bordetella perfussis ultrastructure 1599 + effonium, antibacterial activity, bacteria 1558. Salmonella clinical isolates, antibiotic sensitivity testing 6112. Yersinia pestis antibiotic sensitivity testing 6110. biologiadation, i daamin 3501.
Cellulolytic microorganisms biodegradation, feeds production 9252.
Trichoderma viride, cellulase, hydrolysates, dinitrosalicylic acid assays, sugars Lignosulfonate, metabolism, Penicillium, media (enrichment), biodegradation 3797. Actinomadura antibiotic sensitivity testing 6109.
biosynthesis, actinomycetes, relationship, Candida tropicalis culture extracts
6233. Lignosulfonates,
Sporotrichum pulverulentum biodegradation, polyacrylic acid effects on 6643. I Blum biosynthesis, actinomycetes, role nuclease, proteinase, α-amylase 7123. biosynthesis, fungi mycelia, relationship p-aminoacetophenone concentration 7171 biosynthesis, Streptomyces levoris, aromatic compounds, amino acids effects on 1662. bulbs, disease control, Fusanum oxysporum, quintozene+ferbam 1427. plant viruses infection, growth inhibitors effects on 7703. plant viruses infection, grown innibitors effects on 7703. Lillium ingifforum, plant diseases 9417. pollen, diffatoxins bioassays, use 5641. tulip breaking virus, transmission (mechanical), Chenopodium 7707. Lillium tigrinum, 1662
biosynthesis, Streptomyces levoris, yeasts stimulants effects on 8021.
inactivation mechanisms, physicochemical properties 770.
isolation, stabilization, association, storage 2594.
ovidation 8897
stability time association storage 1664.
Streptomyces levoris, biosynthesis, p-aminobenzoic acid effects on 778.
Libertella faginea,
infection, association Phyllaphis fagi outbreaks, Fagus 3166. arabis mosaic virus, disease transmission, Xiphinema diversicaudatum, fumigation 6871 Limes, processing, industrial wastes, Propionibacterium shermanii use, cyanocobalamin production 8391. Limiting factors,
Phymatotrichum omnivorum, geographical distribution, soil characteristics,
environmental requirements 9557. L-usnic acid, biosynthesis, antibacterial activity 6. variolaric acid biosynthesis 3649. Life cycle. Botryodiplodia theobromae, soft rot, Dioscorea 5791.

Deuteromycetes, pathogenicity, biological control, Culicidae 1012.

Setana italica, association Azospirillum brasilense nitrogen fixation 8702. bacteria, spoilage, fruit juices, bitterness 7590. Limonium sinuatum, mycoplasma-like organisms infection 5750. Limonoate dehydrogenase, Corynebacterium fascians, limonoids metabolism 8247. Light, effect on, tobacco necrosis virus infected Phaseolus vulgaris hypocotyls 2992. effects on Alternaria alternata growth, Heilanthus annuus 6800. effects on, powdery mildew, Begonia 401. effects on Stemphylium botryosum, leafspot, pathogenesis, Medicago sativa 1141. effects on Stemphylium botryosum, leafspot, pathogenesis, Medicago sativa 1141. effects on Stemphylium botryosum, leafspot, pathogenesis, enumeration 2625. marine environment, effects on survival, Enterobacteriaceae 3467. Sorghum vulgare, effects on Glorums fasciculatus symbiosis 2331: wavelength, effects on growth, nitrogen fixation, growth, Trifolium repens 9589 Light Interail; effects on, Coffea canephora disease resistance, leaf rust, Hemileia vastatrix Limonoids, metabolism, Corynebacterium fascians, limonoate dehydrogenase 8247. Limonomyces, infection, Gramineae, symptoms 3014. Infection, Gramineae, symptoms 3014.

Limonomycea culnigenus comb.nov.,
taxonomy, infection, Gramineae, symptoms 3014.

Limonomyces roseipellis sp.nov.,
laxonomy, infection, Gramineae, symptoms 3014.

Limulus lysate test,
assays, Nesseria meningitidis endotoxins 289.
bacteria endotoxins detection, milk 8478.
detection, bacteria, milk, ultrahigh temperature, pasteurization, 201.
diagnosis, gonorrhea, man 1776.
mannesium enhancement, sensitivity, detection, endotoxins 5379. effects on Rhizobium meliloti, nitrogen fixation, nodulation, Medicago sativa sensitivity, Melampsora medusae races, infection, Populus deltoides 6917.

Light scattering,
Cytochrome of subunit association, Rhodospirillum rubrum 7296
Haemophilus influenzae polysaccharides cattle serum albumin conjugate, hydrodynamics 978.

- Aketolgituarate dehydrogenase multienzyme complexes self-association, Escherichia coli 8269.

Light-harvesting proteins,
Rhodopseudomonas sphaeroides, solubilization, detergents extraction methodology, Linanyl acetate,
Rhodopseudomonas sphaeroides 9028. 9586 Aspergillus sydowi, Penicillium steckli, detoxification, cassava fermentation 4778. Ignin,
biodegradation, dissolved oxygen transfer, Phanerochaete chrysosporium 5588.
biodegradation, fungi, Pinus, straw 171.
biodegradation, Hyphomycetes 3777.
biodegradation, metabolism, Phanerochaete chrysosporium 3778.
biodegradation, oxygen role, Phanerochaete chrysosporium 3763.
biodegradation, Phanerochaete chrysosporium 6346.
biodegradation, Phanerochaete chrysosporium 6346.
biodegradation, Phanerochaete chrysosporium, association, dyes decolorization 6346. Linamarin synthase, activity, cassava fermentation, Corynebacterium manihot 3847. Lincomycin,
antibiotic resistance, Streptococcus, mastitis isolates 2398 antibiotic resistance, Streptococcus, mastitis isolates 2398. fermentation, monitoring, liquid chromatography 9765. media (selectrum artibiotic sensitivity testing 7996. Yersinia pestis antibiotic sensitivity testing 7996. Yersinia pestis antibiotic sensitivity testing 6110. Lincomyclis, antibiotic sensitivity testing 6110. Lincomyclis, antibiotic resistance, Enterobacteriaceae, animal isolates 660. antibiotic resistance, Enterobacteriaceae, animal isolates 660. 6646.
biodegradation, Phanerochaete chrysosporium, nitrogen sources effects on 2880.
biodegradation, Phanerochaete chrysosporium, products association 2902.
biodegradation, Phanerochaete chrysosporium, role, hydroxyl radicals 2001.
biodegradation, Pleurotus ostreatus 5598.
biodegradation, Sportbirchum pulverulentum, Trichosporon capitatum 1998.
biodegradation, Streptomyces viridosporus 2887.
biosynthesis, Cucumis melo, Colletotrichum lagenarium infection effects on 3097.
biosynthesis, Nicotana tabacum, hypersensitive response, tobacco mosaic virus 4080. Lincosamides,
Escherichia coli antibiotic resistance, plasmid pKH80 relationship 631. Lindane, antibacterial activity, nitrogen-fixing bacteria, Eichlomia crassipes isolates 8770 Linum catharticum, Linum carnarticum, mycorrhizas, nutrient status, seasonal variations 1490.
Linum usitatiasimum, leaves, histology, ultrastructure, rust, Melampsora lini 9401.
Scierotinia scierotiorum, Canada 7691.
seeds, calories content, Aspergillus niger, Fusarium oxysporum effects on 7722. conversion, Amrobacter coesa p-couranyl alcohol, biodegradation characterization, Aspergillus flavus 164. decomposition, soli microorganisms 1476. formation, Oryza sativa, phytopathogenic fungi infection 6763. formation, role disease resistance, Avena sativa 5053. Influence description in the control of t induction, Inflictim assitutim leadvest, detense mechanisms, Botrytis cinere infection 13688 models, anylghycerol-g-syningaresinol ethers biodegradation mechanisms, Fusarium solain 6561. plants, biodegradation, carbon incomporation, soil 5599. Populus, fungi, biodegradation 6562. solubilization, depolymenization, Phanerochaete chrysosporium 5589. inactivation, psychrotrophic bacteria, pasteurization, milk 263.
Mucor, 1-acetoxy-3-dichloropropane, asymmetry hydrolysis 158
production, feators affecting, Synosphaiastrum racemosum 6558,
production, Penicillium roqueforti, factors affecting 7338.
psychrotrophic bacteria, contamination, butter, off flavor 209.

Lipid A

biodegradation, Coriolus versicolor 8422 Hevea brasiliensis, post-harvest decay, decay fungi, Malaysia 7791.

biodegradation, microorganisms soil isolates, anaerobic conditions, Egypt, Arab Rep. 8428.

rievea trasiliensis, post-narvest decay, deci Lignocatrie, antibacterial activity 7926, antibacterial activity, Escherichia coli, 6051. Lignocellulose,

biodegradation, comparison, softwoods, Coriolus versicolor, Poria placenta 170. biodegradation, fungi mixed culture 3772.

Lipid A,
Acnietobacter calcoaceticus, isolation, characterization 1779.
Rhodopseudomonas sphaeroides, characterization 8332.
Lipid bilayers,
Escherichia coli, β-lactam antibiotics permeability 6087.
Lipid composition,
Allium cepiden, white rot, Sclerotium cepivorum 5760.
Iipopolysacchandes, bacteroids, Rhizobium lupini 9188.
Iipopolysacchandes, Pseudomonas 9597.
Sclerotium cepivorum, white rot, Allium cepa 5756.
Lipid membranes. Lipid membranes, influenza, drug resistance, remantadine interaction 3266.

180

Lipid metabolism, bacteria, fungi, enzymes, books 9090. Candida albicans, brefeldin A, antifungal activity 1564. enzymes, books 9090. Lipids assays, Lipomyces starkeyi 1971. biosynthesis, energetics, yeasts 7487. biosynthesis, Rhodotorula gracilis, carbon sources, nitrogen sources effects on 7464.
biosynthesis, yeasts growth, ethanol media 7468.
cytoplasmic membranes, Chlorobium limicola f.sp.thiosulfatophilum,
characterization 6589.
Halobacterium halobium, use food additives, feeding trials, mice 245
Kluyveromyces fragilis, effects on ethanol production 2866.
production, Aspergillus oryzae, starch, outrient sources 2855.
production, Lipomyces starkeyi batch culture, computer applications 7496. Lipoglycoproteins,
Phytophthora infestans mycelia, effects on Solanum tuberosum tubers ultrastructure 2257 Lipotysis, temperature, effects on, activity, Thannidium elegans, Mucor mucedo, Chaetostylum fresenii 5512. fresenii 5512. Lipomycas kononenkoae, isoamylase biosynthesis 1853. Lipomycas etarkeyi, batch culture, computer applications, lipids production 7496. lipidis assays 1971. Lipopolysaecharides, Acinetobacter calcoacelticus, isolation, characterization 1779. Aeromonas hydrophila, carbohydrate composition, structure 6577. antigenic determinants, Salmonella, binding, serum, bactericidal activity, mice 2452. 2452.

2452.

bacteria, radiation detoxification 6728.

Brucella abortus, antibodos purification 9914.

cell walls, bacteria, reaction, polymyxin B, identification, methodology 1790.

3-deoxy-D-mannocotulosoriic, said composition, Salmonella minnesota 5536.

2,3-diacetamido-2,3-dideoxy-D-mannuronic acid, Pseudomonas aeruginosa 3713.

Escherichta coli, radioimmunosassy, soid phase methods 9296.

Gram-negative bacteria, pryolysis, gas chromatography, association, differentiation 4490. Graffin-legistive bacteria, pryorysis, gas chromatography, association, differentiation 4490.

Ilipid composition, carbohydrate composition, bacteroids, Rhizobium lupini 9188. Pasteurella multocida, structure 2819.

proteins complex, characterization, Verbidlium dahliae, wilt, Solanum tuberosum 1246. Pseudomonas aeruginosa, detection, enzyme-linked immunosorbent assay 9915. Pseudomonas, carbohydrate composition, lipid composition 9597. Pseudomonas syringae pv.tabaci, association, encapsulation, Nicotiana tabacum, Pseudomonas synngae pv.tabaci, association, encapsulation, Nicotiana tabacum, leaves 306-04.

Rhodopseudomonas sphaeroides, characterization 8332.

Salmonella, electrophoresis 9045.

Salmonella minnesota, isolation, 3-deoxy-D-mannocitulosonic acid 6567.

Salmonella typhimurium, Pseudomonas aeruginosa, isolation methodology 8148.

Veillonella parvula, biosynthesis, association, incorporation, fructose, ribose 8332. 8333 Vibrio anquillarium vaccines, characterization 8051.
Vibrio cholerae production, media (culture) 3891.
Yersinia pseudotuberculosis, polysacchandes side chains structure 6568 Liposomes,

B-interferon incorporation, antiviral activity 1579.

Lipotelchoic acid, B-interferon incorporation, antiviral activity 1579.

Lipotelchoic acid, gram-positive bacteria, isolation methodology 9035.

Lipoxygenase, biosynthesis, Pseudomonas, hyaluronic acid effects on 7412.

Lipul chromatography, incomycin, monitoring, fermentation 9765.

Liquid cutture,

Absidia corymbifera, mycelia morphology, mixing, rheology 9069.

Aspergillus oryzae var brunneus, growth conditions 4522.

Beauveria bassiana, Metarhizium anisopliae, growth, nutrient sources, carbohydrates 4535.

comparison, agar, media (culture), Pseudomonas aeruginosa, Escherichia coll 9057. fermenters, production, Aspergillus niger spores 1809.

Lagenidium giganteum, zoospores production 1816.

media (culture), water activity 3515.

Melanconis flavovirens, antibiotics production, inoculum levels 8022.

Mycobacterium tuberculosis 9018.

Penicillium chrysogenum, rheology 9070.

Rhizopus chinensis, pepsin biosynthesis 100.

Rhizopus chinensis, pepsin biosynthesis 100.

Staphylococous aureus, media (selective) 1801.

Streptomyces graseus, sporulation, induction, methodology 9042.

Vibro fluvalus media (enrichment) methodology, enumeration 8136.

Liquidambar styractiflue,

Lordomus pathocemicity association, fertilizers induction 6971.

Updatabar styracifflus, Glomus pathogenicity association, fertilizers induction 6971. seedlings, vesicular-arbuscular mycorrhizas, phosphate uptake 9503. Liquids,

egg production, Salmonella, Staphylococcus aureus, food contamination 203. Liriodendron tulipifera,

seedlings, vesicular-arbuscular mycorrhizas, phosphate uptake 9503. wood storage, disease control, sap stain, 3-iodo-2-propynyl butyl carbamate, sodium pentachlorophenate, copper-8-quinolinolate 9529. Lirula,

Liruia, decomposition, leaf litter, Abies alba 2301.
Listeria, antibacterial activity, midecamycin, new records 8893. antibacterial activity, rifamycin derivatives 8858.

antibacterial activity, ritamycin cerivatives eose.
antibacterial activity,
6-a-hydroxyethyl-2-acetoxymethyl-2-penem-3-carboxylate 1611.
cefodizime antibacterial activity 7142.
lysozymes, ixoxidae, eggs, antibacterial activity 1552.
Listeria monocytogeres,
antibacterial activity, clprofloxacin 9661.
antibascterial activity, ceftriaxone, disc-diffusion test 7998.

Listeria monocytogenes, (continued)
β-lactamase, antibiotic tolerance, β-lactam antibiotics 637, penicillins, antibiotic antagonism, chloramphenicol, rifampicin 5247 eichoic acid, structure, immunological aspects 8327

Lithium, aspartate kinase activation, Escherichia coli 6536

Lithocholic acid. etabolism, Fusarium equiseti, ursodeoxycholic acid biosynthesis 1825.

Lithraea caustica.

eaf litter, decomposition, soil microorganisms, nitrogen cycle 2362.

iear inter, decomposition, soil microorganisms, nitrogen cycle 2362. Littler, bacteria biomass, agricultural practices, meadows 9534. branches, size distribution, decomposition, fungi, forest filore 8647 decomposition, forests, role fecal microfilora, Cliethinonomys 1449 forest floor, biodegradation, Collybia maculata, Collybia bityracea, Collybia distorta, Abies alba 1442. Litter fall,

decomposition, nutrient dynamics forests, floodplains, USA, Illinois 6890 Liver,

IVEF, abscesses, cattle, Fusobacterium necrophorum isolates, antibiotic sensitivity testing 7121.
beel, bacteria growth, packaging, cold storage 267.
localization, hepatitis B surface antigen, staining, methodology, man 827.
rats, carcinogenesis, affatoxin B1, proteins nutrition effect on 4902.

chickens, food contamination, Campylobacter fetus subsp.jejuni 9277. Livestock,

drinking water contamination, coliforms, fecal coliforms 8975. feeds additives, antibacterial agents, residues analysis 252. Pithornyces chartarum eczema, association, fungicides application methodology

Lobularia maritima, vesicular-arbuscular mycorrhizas, Lunaria annua, vesicular-arbuscular mycorrhizas 6969

MI-a locus, association, Hordeum vulgare, disease resistance, Erysiphe graminis f.sp.hordei infection 8611.

tox1 locus, phytotoxins biosynthesis, gene regulation, Cochliobolus heterostrophus 2953.

Locusta migratoria, role. Collectorichum graminicola anthracnose, Zea mays 369. Lodderomyces elongisporus, continuous culture, hydrocarbons utilization, factors affecting 4264. growth conditions, effects on, synchronous culture, oil 4266.

Lollum,

Leaf blotch, Rhynchosporium, crown rust, Puccinia coronata, leafspot, Drechslera, pathology 6768. Pyriculana gnesa infection, disease resistance 1363. staggers, fungi, propiconazole, artifungal activity 2481. Lollium multiforum,

detection, ryegrass mosaic virus, ryegrass seed-borne virus 6758. disease resistance, crown rust, Puccinia coronata f.sp.lolii 4079, fungi infection, incidence, British Isles 5721.

blast, Pyricularia grisea, pathogenicity 1178.

Lollum perenne, Crambus resistance, association endophytes, fungi 4954.

Crambus resistance, association endophytes, uniqui 4944, detection, ryegrass mosaic virus, ryegrass seed-borne virus 6758, disease resistance, crown rust, Puocinia coronata f.sp.lolii 4079, effects on soil, respiration, enzyme activity 5103, fungi infection, incidence, British Isles 5721. Fusarium culmorum infection, role, Fusarium culmorum infection, role, Fusarium culmorum infection of incidence, control 377, incidence, or control 377.

residues 3961. Indictioned, disease control 377. neurotoxins, phytoalexins, response fungi infection 3955. pathoganicity, Phizoctonia zeae 5701. silage, Trichoderma viride, cellulase, role 2931. Soil Tertitily, relationship Laetisaria fuciformis infection 9357, vesicular-arbuscular mycorrhizas, Gigaspora margarita, carbon sources competition

564 wheat dwarf virus infection 2120

white dwarf virus infection 2120.

yield, captain seed treatment 5847.

Lollum rigidum,
growth, Glomus fasciculatus, phosphate fertilizers 9547.

Lollum temulentum,
wheat dwarf virus infection 2120.

Long-term effects, fluoride treatment, dental hygiene, children, dental caries 3499.

Loose smut, Hordeum vulgare, seed treatments, fungicides, reviews 4132.

Triticum, races, Ustilago tritici, Australia 3941. Ustilago, disease control, seed treatments, Triticum aestivum 1431

Ustilago, disease control, seed treatments, Triticum aestivum 1431.
Ustilago, disease resistance, genetic analysis, Triticum aestivum 7744.
Ustilago ruda, virulence genes, inheritance, Hordeum 4967.
Ustilago tritici, disease resistance, Triticum aestivum 8624.
Ustilago tritici, disease resistance, Triticum aestivum 8624.
Ustilago tritici, disease seriea, effects on growth 1461.
Lophodermilum,
decomposition, leaf litter, Abies alba 2301.
Lophodermilum larticitum,
Lanx defoliation, association Adelges grazing 540.

host-pathogen interactions, Atkinsonia ligustrina, haustoria, xylem transport 5790. Lotus corniculatus,

nodulation, Rhizobium soils inoculation 5128. root rot, Fusarium 5681. witt, Pseudomonas viridiflava 6744.

Lubricants, microbicidal activity, measuring techniques 705. biodegradation, microorganisms 9255. Lucerne transleri streek virus, RNA, induction, lesions, Chenopodium amaranticolor 5779.

Luciferase,

bacteria, +3α-hydroxysteroid dehydrogenase, bioassays, bile acids 9020.

Luciferin 2-monooxygenase, subunits, 1-diazo-2-oxoundecane binding, photoaffinity labelling, Vibrio harveyi 2800

2800.

Luciferin 4-monooxygenase (ATP-hydrolysing),
bioassays, ATP levels, bacteriuria 9928.

Lucknomycin,
antifungal activity, Candida, Aspergillus, susceptibility 7182.

Ludwigia perennia, rice necrotic mosaic virus infection effects on growth 5777.

Lutta acutanyula, pollen, effects on, spore germination, Pseudoperonospora cubensis, downy mildew 5011.

Luminescence, use control Photobacterium leiognathi culture 891.

use control Protobacterum leiognami cultu Luminous bacteria, aldehydes, isolation, characterization 8372. bioassays, toxicity testing, water 3572. Luncheon meat,

uncheon meet, food contamination, Bacillus, micrococcus, Streptococcus, factors affecting spoilage 2029. food processing, bacteria, food spoilage, heat treatments, effects on 6678. spoilage, sheft life, Bacillus, Streptococcus 4872. vacuum packaging, factors affecting gram-negative bacteria growth 4878.

lavage, effects on Escherichia coli 682 Mycoplasma hyorhinus, cells, media (selective), Mycoplasma hyorhinus 4491. secretions, fungi detection, indirect fluorescent antibody test, man 9079.

Lunulospora curvula, lulose decomposition 2903.

grazing animals, relationship, Lupinus fungi infection 5005. Lupinus,

upinus, bacteroids viability, Phizobium 7860. diseases, fungi, viruses, association, crop rotation 4985. fungi infection, relationship, grazing animals lupinosis 5005. infection, peanut mottle virus, epidemics 2985. isoflavones, antifungia activity 7095. introgen-fixing bacteria inoculation, nitrogen fixation 5952.

isonavones, antungai activity (1995).
Introgen-fixing bacteria inoculation, nitrogen fixation 5952.

Lupinus albus,
disease resistance, powdery mildew, Erysiphe poligoni 9467.
disease resistance, wilt, Fusarium oxysporum f.sp.lupini 9461.
isoflavones, antitungai activity 7095.
roots, growth, microorganisms effects on 582.

Lupinus alpinus,
nitrogen nutrient uptake, inhibition nitrogen fixation 8685.

Lupinus angustrifolira,
nodules, nitrogen-fixing bacteria, cobalt effects on 3241.

Lupinus angustrifolira,
disease resistance, powdery mildew, Erysiphe poligoni 9467.
tungi infection, relatonship, grazing animals lupinosis 5005.
infection, Phytophthora cinnamomi, chiamydospores formation, survival, soil 5693.
seeds, phomopsis leptostromiformis, infection, detection, methodology 1811.
fungi infection, relationship, grazing animals lupinosis 5005.

Lupinus luteus,
disease resistance, powdery mildew, Erysiphe poligoni 9467.

disease resistance, powdery mildew, Erysiphe poligoni 9467.
nitrogen nutrient uptake, inhibition nitrogen fixation 8685.
nitrogen-15 distribution, bacteroids, nodules, Rhizobium, nitrogen fixation 9615.
Lupinus mutabilis,

disease resistance, powdery mildew, Erysiphe poligoni 9467. Luteovirus,

Luciovirus, and incomposition assay identification 1768. Lycium, host range, alfalfa mosaic virus, plant diseases 3085. Lycoperdon periatum, Plnus radiata, Pseudotsuga menziesii, New Zealand 7774.

Pinus radiata. Pseudotsuga menziesii, New Zealand 7774. Lycopersicon esculentum. Alternaria solani early blight, computer applications predictions, USA 4011. Alternaria solani, leaves lesions, measuring techniques, computer applications, video image analysis 4924. 1-aminocylcopropane-1-carboxylate synthase, Streptomyces griseolus, sinefungin, inhibition, ppening 753. Bothytis cinerea infection, nolle cellulose decomposition 5794. Brachycaudus helichysi, potato virus Y transmission 4044. bunchy top, new records, indica 3042. callus, disease spread, potato spindle tuber viroid, tomato ringspot virus, potato virus M 5793. canker, pathogenesis, Corynebacterium michiganense subsp.michiganense, yield

poisto virus m 5793.
canker, pathogenesis, Corynebacterium michiganense subsp.michiganense, yield 8579.
Cladosporium fulvum, extracts, enhancement, necrosis 3100.

Corny 100: 12-04.

Cornyespora cassilicola infection, incidence, India 5009.

cultivars, disease resistance, Verticillium dahiae will 5043.

developmental stages, effects on susceptibility. Pseudomonas synngae pv.tomato infection 2234

infection 2234. disase resistance, speck, Pseudomonas syringae pv.tomato 5049. early blight, sulfur dioxide air poliution effects on 6819. early blight, sulfur dioxide air poliution effects on 6819 enzymes, defense mechanisms, witl, Vertrollilum albo-atrum 4077. epidemiology, root rot, Fusarum oxysporum f.sp.radicis-lycopersici 3998. fruit rot, Bottyris cinerea, Colletotrichum atramentarium, Glomerella cingulata, pectinase 5797. fruit rot, pathogenicity, Colletotrichum, Glomerella 1301. fruit rot, Pleospora infectoria, extracellular enzymes effects on pathogenesis 4015.

fruit rot, Sclerotium rolfsii, Septoria lycopersici, Alternaria, Colletotrichum

6807 fruits, disease resistance, ripening defects, association, tobacco mosaic virus

fruits, disease resistance, ripering defects, association, robacco mosaic vin infection 4094.

fruits, infection, pathogenicity, tomatine resistance Fusarium solani 6741.

fruits, Rizopus stolonifer infection, pathogenesis 8590.

fruits, sterol composition, association, pathogenicity, Fusarium solani 7049.

Fusarium oxysporum f.sp.lycopersici witi, nitrogen nutrition effects on 411.

Fusarium witi, disease control, use, antaponists 1354.

grey mold, Botrytis cinerea, dicarboximides resistance, greenhouses 6884 growth factors, production, Meloidogyne incognita, interaction, Fusarium oxysporum f.sp.lycopersici, effects on 1276.

Lycopersicon esculentum, (continued)

hop stunt disease virus infection, localization, leaves cells 313. hypersensitive response, histopathology, infection, Cladosporium fulvum 1249. infection, Fusanum oxysporum f.sp.lycopersici, tomato mosaic virus, interaction

infection, viruses, fungi, relationship, acids solubility proteins electrophoresis 2983.

late blight pathogenesis, role, sterol composition, light intensity effects on 5785.

Jeas, Septoria lycopersic, disease control, plant breeding 5048. leaves extracts, antifungal activity 695. leaves, infected, potato spindle tuber viroid double-stranded RNA 3044. mutants. Rhizzopus stolonifer infection, effects on, cellulase, pectinolytic

mutants, Rhizopus stolonifer infection, effects on, cellulase, pectinolytic enzymes 5773, necrosis, Pseudomonas syringae pv.tomato, etiology 3065.
Phytophthora infestans infection, proteinase inhibitors purification 5772.
Phytophthora infestans infection, steryl esters, steryl glycosides content, relationship, susceptibility 3983.
Phytophthora infestans, late blight, Alternaria solani, early blight 8572.
Phytophthora incotianae var.parasitica buckeye rot, fertilizers content, nitrogen, phosphorus, potassium, effects on 9445.
plant breeding, disease resistance, speck, Pseudomonas syringae pv.tomato 6842.
post-harvest decay, Erwinia carotovora subsp.carotovora, temperature, suspensions depth effects on 1330.

depth effects on 1330.

Pseudomonas corrugate infection, pathology 2223.

Pseudomonas syringae, enhancement, cryoniny 2224.

root rot, calyptelia campanula, new records 4026.

root rot, fungicides disease control 6872.

roots exudates, Glomus fasciculatus growth, ozone pollution effects 7811.

roots exudates. Glomus fasciculatus growth, ozone pollution effects 7811.
roots, penetration, pathogenesis, association, Fusarium oxysporum, Fusarium
oxysporum fisp.pisi, Verticillium albo-atrum 6825.
roots, plant diseases, fungi, bactena 9411.
seedlings roots, infection, verticillium albo-atrum, Fusarium oxysporum
f.sp.lycopersici, pathogenesis 4028.
seedlings screening, plant breeding, disease resistance, Verticillium dahliae
wit 5045

witt 0045 seeds. Pseudomonas syringae pv.tomato infection, survival 412. speck, disease control, Pseudomonas syringae pv.tomato, speck, Lycopersicon esculentum 5622.

esculentum 1982.
speck disease resistance 1381.
speck, Pseudomonas syringae pv.tomato, disease control, fungicides, streptomycin, speck, Pseudomonas syringae pv.tomato, disease control, fungicides, streptomycin, Lycopersicon esculentum 1982.
speck, Pseudomonas syringae pv.tomato, disease spread, environmental factors 1297.

speck. Pseudomonas syringae pv.tomato, scanning electron microscopy, pathology

2233
stems, detection, Phoma exigua var.foveata infection 4031.
stems, Pseudomonas corrugata necrosis incidence, USA, Florida 5025.
susceptibility, Fusanum oxysporum f.sp.lycopersici, Meloidogyne incognita infection, effects on 1281.
tohacco mosaic virus infection, germplasm, seeds, embryos 2184.
tomato bushy sturit virus, disease transmission, vectors, man 1308.
tomato leaf curl virus infection, factors affecting disease control 8614,
tomato mosaic virus infection, persistance, crop residuae, soil 1233.
tomato yellow leaf curl virus, disease spread, cultivation techniques 1236.
tomato yellow log virus infection, new records, New Zealand 9435.
+ Verticilium dabliae infection niant extracts, antifungal activity.

+ Verticillium dahliae infection, plant extracts, antifungal activity, Cladosponum cucumerinum 6877.

Cladosponum cucumerinum 6877.
vruses infection, Jordan 6793.
white leaf disease, cucumber mosaic virus, RNA, relationship, infectivity 2195.
white leaf disease, role, cucumber mosaic virus, satellite RNA 1292.
wilt, Fusanum oxysporum 1.sp.lycopersici, cytopathology 3088.
wilt, Fusanum oxysporum 1.sp.lycopersici, etiology 1257.
wilt, Fusanum oxysporum 1.sp.lycopersici, integrated control, nitrate, +calcium oxide+benomyl 4107.
wilt, Fusanum oxysporum 6.sp.lycopersici, integrated control, benomyl+nitrate+calcium oxide 4108.
wilt, Fusanum oxysporum 6.sp.lycopersici, integrated control, benomyl+nitrate+calcium oxide 4108.

benomyl+ntrate+calcium oxide 4108.
witt, Fusarium oxysporum fisp.lycopersici, interaction Meloidogyne javanica 3990.
witt, Pseudomonas solanacearum, disease resistance 1380.
witt, Pseudomonas solanacearum, soli, vertical distribution 5759.
witt, Pseudomonas solanacearum, soli, vertical distribution 5759.
witt, Pseudomonas solanacearum survival, USA, North Carolina soil 8675.
witt Verticilium albo-atrum, pathogenicity, genetic analysis 3049.
yellows, effects on, yield, food quality 1311.
yeld, tobacco mosaic virus infection 2167.

yield, tobacco mosaic virus infection 2167.

Lycopersicon hirautum,
inheritance, disease resistance, speck, Pseudomonas tomato 5036.

Lycopersicon lycopersicum,
pollen, antifungal activity, Alternaria alternata, Helminthosporium oryzae 8605.

Lycopersicon peruvianum,
inheritance, disease resistance, speck, Pseudomonas tomato 5036.

Lycopersicon pimpinelificilum,
inheritance, disease resistance, speck, Pseudomonas tomato 5036.

Pseudomonas solanacearum wilt, disease resistance 6791.

Pseudomonas solanacearum wilt, disease resistance 6791. Lycopodium, vesicular-arbuscular mycorrhizas, morphology 2327. Lymantria dispar, biological control, Bacillus thuringiensis, parasitism, Rogas lymantriae 7477. biological control, Bacillus thuringiensis+Apanteles melanoscelus, pathogens 2832.

biological control, nuclear polyhedrosis virus, U.V. radiation protection

biological control, pest control, nuclear polyhedrosis virus 7476. dose-response effects, Bacillus thuringiensis, biological control, mathematical models 8362. interaction, Apanteles melanoscelus, role, Bacillus thuringiensis aerial applications 372?.

nuclear polyhedrosis virus infectivity, U.V. radiation inactivation effects on 2487.

Lymphoblastoid cell lines, Epstein-Barr virus, antiviral activity, ara-A, erythro-9-(2-hydroxy-3-nonyl)adenine 6067.

Lysates,
Physarum polycephalum, mRNA isolation methodology 7268.

β-Lysin

antibacterial activity, Escherichia coli, association outer membranes 3316 Lysine,

biocynthesis, Brevibacterium flavum, Corynebacterium glutamicum, nitrogen sources

3656.

Brevibacterium flavum, biosynthesis, continuous culture 2747.
denvatives, synthesis, inactivation phages 1577.
fosfomycin derivatives, antibacterial activity 8990.
Micrococcus glutamicus, production 5465.
microorganisms production, + wheat flour, nutritive value, rats 5632.
production, Brevibacterium lactofermentum, Escherichia coli, whey 3655.
production, use, DL-a-amino-e-caprolactam, Cryptococcus, Pseudomonas

residues, formate dehydrogenase active sites, chemical modification, bacteria 7380.

sodium chloride, effects on, levels, Saccharomyces cerevisiae, growth 17

biosynthesis, Brevibacterium suppressors mutants 4571, excretion, S-(2-aminoethyl)L-cysteine resistant mutant, Bacillus subtilis 9122.

Lysine decarboxylase, mechanisms, stereospecificity, Bacillus cadaveris 6533, stereospecificity, Bacillus cadaveris 6506.

Lysine-2,3-aminomutase,

stereochemistry 75. stereochemistry, Clostridium subterminale 75.

Lysinomicin, derivatives, aminoacylation 1684

Lysins.

biosynthesis, Brevibacterium, molasses effects on 7643.

Diosynthesis, Deviluational Company of the Control of the Control

activity 7052.

muramidase, activity, use, differention, Streptococcus group A 3547.

phages, aeration induction, Bacillus thuringiensis subsp.thuringiensis, culture 6314.

Vibrio cholerae, Tris+EDTA treatment, association nitrofurantoin resistance 7927.

Lysobacter enzymogenes, enzymogenes, enzymes biosynthesis, factors affecting 8297. Lysolacithin, antibacterial activity, association, fatty acid composition, Mycobacterium tuberculosis 4286.

permeabilized mice 3T3 cells, interferon induction antiviral state 3370. Lysophospholipids, analogs, antifungal activity 4299. Lysosomes

proteinase, purification, characterization, Physarum flavicomum 9144.

Lysocyme, activity, Micrococcus luteus cell walls, humic acids interaction effects on 590. albumin, antibacterial activity 7052. albumin, antibacterial activity 7052. preservatives, seafood 2934.

Ixodidae, eggs, Ixodidae 1552.

Lytic enzymes, analysis, microorganisms 7369.

Staphylococcus aureus, Staphylococcus simulans, Staphylococcus saprophyticus, isolation, characterization 92.

Streptomyces, lysis, yeasts cell walls, single-cell protein 7583. Trichoderma harzianum, use, control, Fomes annosus 4156. use, sphaeroplasts formation, Trichoderma reesei 6346.

Maeckiain, biodegradation, Scierotinia trifoliorum 2000. Cicer arietinum, metabolism, Fusarium solani 3779.

Macadamia Integrifolia, root rot, Kretzschmaria clavus infection, perithecia relationship 5731.

Macrolepiota zeyheri, nutritive value, characterization 3846.

Macrolide antibiotics, ambacteria activity 8041. antibiotic resistance, Enterobacteriaceae, animal isolates 660. antibiotic resistance, Enterobacteriaceae, animal isolates 660. antibiotic resistance, Enterobacteriaceae, animal isolates 2398. antibiorial activity, influenza A virus, influenza B virus, Rous sarcoma virus, variola virus 7941. biosynthesis relationship, Streptomyces protoplasts regeneration 6166. drugs interaction 1681. erythronolide B conversion 6167. esistance, gram-positive bacteria, lytosia effects on, pigs isolates 5156. Staphylococcus aureus, antibiotic resistance 9646. Streptomyces, biosynthesis 8919. Streptomyces, biosynthesis, Streptomyces fradiae, biosynthesis, role, valine 8820.

valine 8820 structure 6212

structure-activity relationships, antibacterial activity 3377.

Iscromolecules, phosphorus, levels, Phalaris aquatica decomposition, soil microorganisms 573.

Macromomycln,

C.D., I.H. spectroscopy 2826.

Iscrophages, drug sensitivity testing, Mycobacterium leprae, in vitro, radioactive labelling 9659.

Mycobacterium leprae infected, rifampicin antibacterial activity, radioactive labelling 9658.

Merrophoma,

Merrophoma, isolation 8522.

Trun rut phytotoxins, isolation 1952c.
phytotoxins, macrophorins, isolation, structure 6718.

Iacrophomina phaseotina,
carbon sources effects on cellulase production 1932.
charcoal rot disease transmission, Cylindrocopturus adspersus role, Helianthus

Macrophomina phaseolina, (continued) annuus 9444 charcoal rof, Helianthus annuus, incidence, distribution, Spain 9416. disease control, benomy foliar applications, metham fumigation, Glycine max

drug resistance, fungicides 650.

unifection, Brassica juncea, phospholipase A2 effects on pathogenesis 4005. infection, Crotalaria juncea, seeds, pathogenesis 1272. infection, Cucumis melo, role, transmission (seed) 3979.

Mangifera indica charcoal rot, symptoms 2222.

pathogenicity, soil-borne diseases, Euphorbia lathyris 5002.

rot, seed-borne diseases, pathology, Sesamum indicum 5022.

saprophagy, Glycine max stems, herbicides effects on 2380.

sclerotta germination, competition, environmental stress, nutrient availability, soil 9573.

sclerotia, gemination, nutrient availability, fungistasis, soil 9572. sclerotia, soil isolates, media (selective) 1815. seed-borne diseases, Pisum sativum, detection 6732. specification, fungicides, antibiotics, effects on 7760. Macrophorins,

Macrophoma, isolation, structure 6718.

Macrophoma, isolation, structure 6718.

Macrophilm atropurpresum,
Australia. Rhizobum isolation, characterization 6990.
crop production, Uronyces appendiculatus infestation effects on, Australia 8589.
Rhizobium japonicum symbiosis, characterization 8700.
Macroshipm auphorbiae,
yectors, disease transmission, potato virus Y, plant disease 9400.
Macrosteria fascffrons,
disease transmission, Spiroplasma citri, plant diseases 6803.
Macrosteriae sexnotatus,
disease transmission, mycoplasma-like organisms, plant diseases 9399.
yectors, yellows, mycoplasma-like organisms 9398.
Macrotermes michaelseni,
termitaria mounds, soil microorganisms, community composition 5906.
Macrotermes subhyalinus,

Macrotermes subhyalinus, termitaria mounts, soil microgramsins, community composition 5906. Macrotyloma uniflorum, nodulation, Rhizobium, isolation, screening 2360.

Maedi virus,

artibodies, detection, enzyme-linked immunosorbent assay, sheep, goats 2651.

Maglicicada septendecim,
wounds, association, Hypoxylon mammatum, infection 8658.

Magnesium.
effects on enclase substrates binding, N.M.R., yeasts 6544.
effects on glutamine synthetase kinetics, Micrococcus glutamicus 6511.
effects on phosphate-dissolving bacteria inoculation, yield, Vicia faba 5892.
effects on, ticarcilin± tobramycin, antibacterial activity, Pseudomonas

eneus on, lucardinia: lobramyoni, amusecieria activity, rseucomonas aeruginosa 754. enhancement, Limulus lysate test, sensitivity, detection, endotoxins 5379. interaction, acetyl-CoA carboxylase, biotin binding sites, N.M.R., acetyl-CoA carboxylase 4632.

caroxylase 4032: lons concentration effects on, Lysobacter enzymogenes enzymes biosynthesis 8297. leaves levels, leafspot susceptibility, Xanthomonas campestris, Capsicum 5841. tobacco mosaic virus infection, Solanum melongena, effects on susceptibility 3033

toxicity, nickel resistance, Neurospora crassa 7906.

Magnesium chloride,
+riboflavin, +aromatic compounds, photoactivation, bactericidal activity,
Salmonella typhimurium, media (culture) 8781.

Magnolia, forests, mortality factors, pathogens, fungi 4171

Magnolla obovata, extracts, antibacterial activity, Streptococcus mutans 1559. plant extracts, antibacterial activity, Streptococcus mutans 2433.

Magnolla officinalis, extracts, antibacterial activity, Streptococcus mutans 1559.

Mahonia,

Mehonia, taxonomy, rust, Cumminsiella 423.

Maize chlorotic dwarf virus, disease transmission, pesticide applications, soil, carbofuran, vectors, Grammella nigrifrons, Rhopalosiphum maidis 7738. infection, Zea mays, transmission, symptoms, control 5723. stunt, Zea mays, Graminella nigrifrons vectors, sex differences 5697. susceptibility, Zea 4947.

Maize chlorotic mottle virus.

Malze chiorotte mortle virus, host range, Gramineae 4949.
incidence, soil fumigation, Zea mays + Sorghum crop rotation effects on 2116. infection, Zea mays, transmission, symptoms, control 5723. susceptibility, Zea 4947.
Malze dwarf mosalic virus, transmission application in the control of the control of

disease resistance genes, levels, genetic analysis, plant breeding, Zea mays 4092.

4092. disease resistance, plant breeding, Zea mays 8604. disease transmission, pesticide applications, soli, carboturan, vectors, Graminella nigrifrons, Rhopalosiphum maidis 7738. infection, disease resistance, Zea mays, Hungary 7745. infection, disease resistance, Zea mays, inheritance 6841. infection, effects on, Zea mays susceptibility, Helminthosporium maydis infection.

1185. infection, Sorghum bicolor, pathogenesis 5724, infection, Zea mays, effects on susceptibility, Helminthosporium maydis infection

plant viruses, vectors, Schizaphis graminum, disease transmission, Gramineae 5704.

S7/49.

Sorghum bicolor, seedlings, susceptibility 6747.
susceptibility, germplasm, Pennisetum americanum cultivars 9360.
susceptibility, Zea 4947.
transmission, Sorghum halepense, Zea mays 4971.
Malze dwarf mosaic vurus,
infection, Gramineae susceptibility, USA, Mississippi 8559.

Maize mosaic virus, infection, Zea mays 2119

Maize mosaic virus, (continued) infection, Zea mays, transmission, symptoms, control 5723. Maize rayado fino disease virus, Zea mays isolates, purification, biological properties 364

infection, Zea mays, transmission, symptoms, control 5723.

Malze rough dwart virus,
infection, Zea mays, symptoms 8561.
infection, Zea mays, transmission, symptoms, control 5723.

infection, Zea mays, transmission, symptoms, control 5723.

Malza strake Virus,
host range, Gramineae 6778.
infection, Zea mays, disease control methodology 461.
infection, Zea mays, transmission, symptoms, control 5723.
susceptibility, Zea 4947.

Malza stripe virus,
susceptibility, Zea 4947.

Malza white line mosale virus,
detection, soil, infection plants, disease transmission, USA, Ohio 1200.
mosaic disease asymptomatic infection, Zea mays, incidence 4969.

Malaria, man, bredinin antimalarial activity 1589.
Malate dehydrogenase, Paseudomonas thermophila, production, purification 1899.
X-ray scattering, Halobacterium mansmortul 931.
D-Malate dehydrogenase (decarboxylatiling),
+latriate dehydrogenase bifunctional enzymes, Rhodopseudomonas sphaeroides, purification, characterization 7415.

Malathion, degradation, fungi, stored products, grain, Aspergillus glaucus 7557. hydrolysis, Arthrobacter, enzymes, characterization 8416. Malaysia, Cylindrocladium scoparium, diseases, forests trees 2316. Heyea brasilensis, cellulose, lignins, post-harvest decay, decay fungi 7791. Maleic ecid,

+benzethonium chloride+methoxyethylene, antibacterial activity, in vivo, in vitro

Malesuca quinquenervia, infection, fungi, disease resistance 5086. Malic acid,

production, association, Brevibacterium flavum immobilization, use, carrageenans, polyethyleneimine 4494.

Malolactic fermentation,
Leuconostoc cenos, solids effects on, wine 3757.

Malonomicin,

N.M.T. 4406.
Streptomyces rimosus var.paramomycinus, biosynthesis, N.M.R. 4406.
Malonyl-CoA decarboxylase,
Mycobacterium tuberculosis, purification, characterization 8245.
Meltohexaose,
production, use, Bacillus circulans α-amylase 80.

production, use, pacinus circums.

Mattose,
+ media (selective), Lactobacillus association Streptococcus thermophilus,
enumeration 3571.

Mattose-binding protein,
ligands binding, Escherichia coli 2734.
purification, characterization, periplasmic space, Escherichia coli 6373.

Matus,
aming acirts, viruses infection effects on, nitrogen association 4974.

amino acids, viruses infection effects on, nitrogen association 4974.
Arthropoda, biological control, granulosis virus 8355.
Bothyosphaeria dothidea white rot development, association, fructose content, pH
4975.

bothyosphaenia comindea writer for development, association, inucrose content, 14975.

Inuit rot, incidence, disease control 3031.

Glomus epigaeum symbiosis, effects on growth 5097.

illarvirus isolates, association, mosaic disease, ringspot, dwarf disease 5740.

Podosphaera leucorticha powdery mildew, disease resistance 7739.

powdery mildew, disease control 4113.

powdery mildew, disease control 4113.

powdery mildew, sidesa preparation 6351.

proliferation disease, mycoplasma-like organisms, tetracycline treatment 3023.

rootstocks, disease resistance, cariker, Basidiomycetes 2259.

scab, temperature, relative humidity, effects on pathogenesis 2149.

scab, temperature, relative humidity, effects on pathogenesis 2149.

scab, temperature, relative humidity, effects on pathogenesis 2149.

scab, temperature effects on Venturia inaequalis fruit bodies development 1224.

Ventura inaequalis infection, ascospores, pathogenesis 7683.

viruses infection, nitrate effects on 3027.

Maus domestica,
disease spread, Glomerella cingulata, ascospores, epidemiology 8570.

necrosis, decline, tomato ringspot virus, Xiphinema vectors 4978.

Plsolithus tinctorius effects on roots growth, association, indole-3-acetic acid

591.

591.
post-harvest decay, calcium, effects on, Penicillium expansum 8598.
powdery mildew, temperature effects on buds 1211.
Malua pumile,
Malua 9543

9543
Erwinia amylovora amylovorin host specificity 9371.
fruit rot, Glomerella cingulata 1215
fruit rot, Glomerella cingulata 1215
fruit rot, Mycosphaerella pomi, disease control, fungicides 1392
fruits, benzoic acid production, disease resistance, Nectria galligena 4081.
fruits, carbohydrates levels, apple mosaic virus effects on 8562.
fumigants, disease control 492.
fumigants, disease control, Scelerotium rollfsi bilght, Botryosphaeria dothidia
canker, Phytophthora cactorum collar rot, Clitocybe tabescens root rot 492.
necrosis, obbacco ringspot virus 6783.
nutrient uptake, phosphorus, nutrient availability, endomycorrhizas 9544.
orchards, canker, Botryosphaera dothidiae 1223.
orchards, incidence, Phytophthora 386.
orchards, roots growth, rhizosphere microorganisms phytotoxins inhibition 4141.
pathology, fruit rot, Phomopsis mall 2145.

Malus pumila, (continued)

latus pumila, (continued)

Phytophthora cactorum collar rot, metalaxyl effects on pathology 505, plant diseases, fungi, baycor, disease control 1421, powdary mildew, Podosphaera leucotricha, disease control, fungicides 2281, powdery mildew, Podosphaera leucotricha, fungicides, disease control 2280, Pseudomonas syringae pv. papulans susceptibility, seasonal variations 400, scab, Venturia inaequalis, pathogenesis, disease control, mathematical models

seedlings, fireblight, Erwinia amylovora, screening fungicides, disease control

1406.
Venturia inaequalis scab, fungi biological control 5825.
vruses infected, nitrate, nutrition, effects on 389.
white rot, Bottyosphaeria dothidea, pathogenicity 5739.
white rot, Conolius versicolor, disease control, pruning wounds, fungicides 6873.

biological control, synergism, +deltamethrin 9208. nuclear polyhedrosis virus, epizootiology, soil 1470.

Mammalia

ammails, deoxyribonuclease, Aspergillus aflatoxins effects on 7613. lactoferrin, transferrin, conalbumin antibactenal activity, relationship mucroflora immune response, reviews 5176. metabolism, microorganisms drugs production, models, conferences 7467. nortarget organisms, pathogens, biological control, safety regulations 1025. pencycuron toxicity, animal models 3155.

Mammary gland, cattle, bactena infection, penicillin G+streptomycin treatment, isolates susceptibility 8851.

Man-made products

biodeterioration, biodegradation, environmental effects 4758.

Mancozeb, antibacterial activity 8633.

antibacterial activity, nitrogen-fixing bacteria, Eichlomia crassipes isolates

8770.
antifungal activity, Choanephora cucurbitarum 4004.
antifungal activity, in vitro, Phytophthora palmivora 5824.
Brassica campestris, effects on leaf surface fungal flora 3146.
disease control, leafspot, Apium graveolens 4098.
disease control, Peronspora parasitica, downy mildew, Brassica pekinensis 8631.
effects on Conidiobolus obscurus resting spores spore germination 7762.
Entomorphthoraceae infection, Aphis fabae, effects on 48mination 7762.
+ mostalaxyl, prophylaxis, treatment, Phytophthora palmivora infection, orchards

resistance, Bipolaris oryzae, Bipolaris sorokiniana, brown spot, Zizania aquatica treatment, brown spot, Drechslera oryzae, Drechslera sorokiniana, Zizania

aquatica 2272.
use, leafspot disease control, Dioscorea dumetorum 5061.

Mandelate dehydrogenase,
Acinetobacter calcoaceticus, expression regulation 8286.

disease control, leafspot, Pestalozzia palmarum, Helminthosporium, Cocos nucifera 1391

disease control, Phytophthora palmivora canker, Canca papaya 5058. disease control, Pseudomonas syringae pv.tomato, speck, Lycopersicon esculentum 5822.

effects on Nicotiana tabacum microflora 496. Entomophthoraceae infection, Aphis fabae, effects on 489

Entomoprinoraceae intetauti, Aprile 1888.

Manganese, bacteria uptake, wastewater treatment 5313, effects on enolase substrates binding, N.M.R., yeasts 6544, effects on glutamine synthetase kinetics, Micrococcus glutamicus 6511, ions concentration effects on, Lysobacter enzymogenes enzymes biosynthesis 8297, oxidation, bacteria role, trace elements enrichment 9816, toxicity testing, Aspergillus flavus spores use 9076.

Mangifera Indica, charcoal rot, Macrophomina phaseolina, symptoms 2222.

Charcolar IVI, Macrophomina priaseomia, symptoms clyzez. Unigni infection, disease transmission, Idioscopus clyzezi. pathogens, drug resistance, fungicides 1532. Phytophthora infection, population structure 4977.

Mangos,
post-harvest decay, Alternaria alternata latent infection role 6834. Mangrove awamps,
biodegradation, isolates, yeasts, heterotrophic bacteria, biodegradation,
aromatic compounds 9253.

Manihot escuienta,

aninor escuenta. Aspergillis furnigatus, single-cell protein, nutritive value, rats, pigs 2932. bacteria blight, symptoms, etiology 4022. cassava latent virus mosaic disease, etiology, pathogenesis 9413. cassava latent virus mosaic disease, transmission, Nicotiana benthamiana, tissues

cassava latent virus mosaic disease, transmission, Nicotiana benthamiana, tiss ultrastructure 1315. disease control, cassava common mosaic virus elimination, germpiasm 1375. disease costistance, Xanthomonas campestris pv. manihotis infection 2230. disease transmission, host range, cassava common mosaic virus 1232. inheritance, disease resistance, plant diseases, Elsineo brasiliensis 6828. mosaic disease, cassava common mosaic virus, heat treatments 1312. post-harvest decay, bacteria, fungi, etiology 3102. response, vesicular-arbuscular mycorrhizas inoculation, phosphorus treatment 4201.

***221.

Xanthomonas manihot blight, age effects on incidence, development 4016. yield, leaves infection, cassava common mosaic virus 407. yield reduction, cassava mosaic virus 1314. Manihot utilissima,

soil, rhizosphere microorganisms metabolism 5918.

biosynthesis, Escherichia coli membranes 110.
Dictyophora indusiata, antitumour activity, mice 7453, levels, infection monitoning, blister rust, mycorrhizas 3170.

Manntol dehydrogenase, purification, characterization, Penicillium chrysogenum mycelia, industrial wastes isolates 5514.

Mannitol-binding protein,
Pseudomonas aeruginosa, characterization 2.

D-Mannohexaose,
biosynthesis, Candida 1954.

Mannoproteins

characterization, mycelia, Absidia cylindrospora 7295. Mannose,

detection, gas chromatography, diagnosis, candidiasis 9993. β-D-Mannosidase,

Bacillus subtilis, viscosity, spectrophotometry 1901, extraction, soil 4215.

D-Mannotetraose, biosynthesis, Candida 1954

Manure

Alanure, applications, association, Rhizoctonia solani, soil-borne diseases control, antifungal agents USA 323. cattle, composts, enzymatic activity, microflora, association 8061. Columba, media (solation), Cryptococcus neoformans 8154. pigs, degradation, corynetorms, odor compounds 8060. pigs, mesophilic bacteria, methanogenesis 4262. Sesbania rostrata, effects on nitrogen fixation, Oryza sativa 4240. Soil amendment, effects on Rhizobium, nodulation, yield, Glycine max 9582. soil amendment, effects on Rhizobium, nodulation, yield, Glycine max 9582. soil amendment, effects on Rhizobium, enzymatic activity, redox potential, paddy fields, Oryza sativa 962. soil micrographic soil micrograph

Marasmic acid, Lachnella villosa, Peniophora laeta, effects on, RNA biosynthesis, DNA biosynthesis 6083 Marasmius,

warsamus, decomposition, leaf litter, Abies alba 2301.
Marburg disease virus,
indirect fluorescent antibody test, use β-propionolactone 3534.
Marcatlomycin,
Actinosporangium bohemicum sp.nov., biosynthesis, antitumor activity 983.

Margaritispora aquatica, cellulose decomposition 2903. Mariana Islands,

Carica papaya, Erwinia canker, symptoms, Achotina fulica vectors 1222. Marinactan, Flavobacterium uliginosum, biosynthesis, isolation, characterization, antitumor activity 7452.

activity 7452.

Marine environment,
bacteria, oil biodegradation 8719.
environmental surveys, bacteria, association, bubbles, methodology 4495.
methanogenic bacteria, isolates, high-performance liquid chromatography
phospholipids assays 5382.
microbial pollution, Escherichia coli, Vibrio cholerae, counting methods 6258.
oil installations, sediments, hydrocarbons biodegradation 2392.
Pseudomonas, thiosulfate oxidation, enzymes isolation 7404.
sediments, bacteria biomass measuring techniques, muramic acid, high-performance
liquid chromatography 7252.
sediments, Vibrio parahaemolyticus isolation 2051.
survival, Enterobactenaceae, in situ 3467.
Vibrio cholerae, attachment, Copepoda, association, epidemiology 2622.
viruses, detection, sediments, collection, methodology 2655.

Marine microorganisms,

Witches, detection, seatments, collection, metricology 2005.

Marine microorganisms, aquatic bacteria, phytol biodegradation 5595.

bacteria, biodegradation, marine pollution, nitrilotriacetic acid, sewage effluents 5323. entuerits coach, bacteria, polysaccharides characterization, intertidal environment 7443 Marine pollution,

narine poliution, beaches, sewage, pollution indicators, urease activity 3180. microbial pollution, measuring techniques, indicator species, Pelecypoda 8976. nitrilotnacetic acid, sewage effluents, biodegradation, marine microorganisms, eria 5323

Marketing.

commercial species, bacteria, biological control, Insecta 1021.

Marssonina brunnea,

Marssonina brunnea, infection, Populus, pathogenesis 549.

Marssonina Juglandis, leaves penetration, anthracnose, Juglans nigra 3029.

Martierella macrocystis, infection, Pseudotsuga menziesii roots, incidence 4162.

Martierelle parvispora, infection, Pseudotsuga menziesii roots, incidence 4162.

Masoniella Indica,

cellulose hydrolysis, amino acids, carbohydrates effects on 7547. Mass rearing,

Agrotis segetum larvae, production, granulosis virus, biological control 9211.

Mass spectroscopy, albomycin 81, albomycin 82, albomycin € structure, Streptomyces 2573. amipurimycin structure 7177. hybrimycins 5244. indole-3-acetic acid, mycorrhizas 8171. iturin A structure, Bacillus 9774. structure, antibiotics, reviews 8825.

virginiamysin S5, viridogrisein II structure 5268.

Mastritá,
association, N,N-dimethyldodecanamine antibacterial activity, relationship, pH,
temperature, Streptococcus agalactiae 5175.
disease control, quaternary ammonium compounds, teat dips, antibacterial
activity, catte 1728.
incidence, iodine teat dips, cattle 4462.
milk, isolation, bacteria 3826.
prophylaxis, udder hygiene, cattle 9820.
Streptococcus, Staphylococcus, relationship udder hygiene, cattle 4453.
teat dips prophylaxis, cattle 8071.
udder hygiene, cattle 9819.
Mathematical models,
activated sludge 1700.
automated methods, enumeration, bacteria 9058.
bacteria deposition, glass capillary 8824.
bacteria deposition, glass capillary 8824.
bacteria, excretion, surfaciants, effects on, agar, surface tension, measuring
techniques 5378.
bacteria gas production, association, growth, fingers
bacteria gas production, association, growth, fingers
bacteria gas production, association, growth, fingers

bacteria gas production, association, growth, kinetics 9873. batch culture growth kinetics, microorganisms 9831. butyric acid bacteria fermentation 9065.

Mathematical models, (continued)
Candida utilis, continuous culture, oxygen effects on ethanol production 4731. chiorothalomii residues, Solanum tuberosum foliage, fungi 5819.
Coffea arabica rust, incidence Hemileia vastatix infection 2150. dentrification, dentrifying bacteria, reviews 5110. disease spread, plant diseases 9382 dirinking water coliforms, incidence 3484. epidemics, plant diseases, fungi 3906. growth, Saimonella typhimurium, Staphylococcus aureus, food, water activity 8468. identification, Streptomyces hygroscopicus cell culture, growth curves 3580. immobilized cells, fermentation, ethanol, reactors 3751. late blight, Phytophthora infestans, diseases spread, Solanum tuberosum 9381. methane reactors, digestion (anaerobic), bacteria 5308. microorganisms polysaccharides, activity, bioreactors 1064. pathogenesis, rust 3958.

pamogenesis, rust 3598.
percolation reactors, hemicellulose hydrolysis, biomass conversion 9194,
pesticide residues, chlorothalonil deposition, Solanum tuberosum 1407.
pesticide residues, chlorothalonil deposition, Solanum tuberosum 1408.
pesticides biodegradation, soli microorganisms 161.
Phytophthora inflestans, diseases spread, Solanum tuberosum, field trials 8593.
plant diseases epidemics 3896.

plant diseases pathogenicity, measuring techniques 1116, plant diseases pathogenicity, measuring techniques 1116, plant diseases, lissues diseases peraed 1117. population dynamics, growth, Saccharomyces cerevisiae, reactors 3633. roots, vesticular-arbuscular mycorthizas spreading, phosphorus effects on 2329. sampling, bacteria, methodology 7256.

Samping, dacteria, metrodology 7256. Sclerotium rofisii growth 7265. soil, nutrient cycles, decomposition, books 5448. wastewater treatment reactors 1688. with, Gossypium hirsutum, plants growth relationship 2134.

Mating types,
Rhizoctonia solani, taxonomy, pathogenicity, plant diseases, reviews 2974.

Mayonnelse,
meat, growth, Salmonella typhimurium, Staphylococcus aureus, refrigeration 229.
spoilage, Saccharomyces exiguus, Saccharomyces dairensis 3812.

McCoy cells, cell culture, Chlamydia trachomatis detection, monoclonal antibodies conjugation fluorescen 9923 technique accionate detection, monocional attributes conjugation cotrimoxazole, trimethoprim, sulfamethoxazole, in vitro antibacterial activity, Chlamydia trachomatis 6008.

MCPB biodegradation, flooded soils, soil types, soil microorganisms, pathway, half-life 5971.

Meals,

bildeng attaitori, ilicored sons, sen types, son transcription of the S971.

Meals, corn, bactena effects on nutritive value 251.

Measiles virus, antibodies decition, comparson, enzyme-linked immunosorbent assay, immune artibodies decition, comparson, enzyme-linked immunosorbent assay sogs. edit culture, factors affecting yield 1744 hemagglutination hemolysis 8093. edit culture, factors affecting yield 1744 hemagglutination inhibition, filter paper methodology 9859, immunoglobulin G, detection, enzyme-linked immunosorbent assay 9857. immunoglobulin M, enzyme-linked immunosorbent assay 9913. radioimmunoassay 6289. typan blue, inhibition, infection, tissue culture 7110. vaccines, immunogenicity, storage effects on 4429.

Measuring techniques, acetylene reduction, nitrogen-fixing bacteria, Alnus rubra nodules 1496. ATP levels, soil properties 568. calorimetry, glucose, metabolism, vibrio alginolyticus 1772. cellulose biodegradation, soil 1058. Coulter nano-sizer, cell size, viruses, bacteria, fungi 2646. Escherichia coil DNA(gunosine-6)-methyltransferase 868. gas exchange, nitrogen-fixing bacteria, Alnus rubra nodules 1496. heat production association fermentation 1052. leaf litter decomposition, forests, eucalyptus 1447. marine pollution, microgen-fixing bacteria, alnus rubra nodules 1496. heat production association fermentation 1052. leaf litter decomposition, forests, eucalyptus 1447. marine pollution, microgen-fixing bollution, microgen-gisms biomass xoxidation, use, potassium dichromate 6287. nitrate reductase, Ahizobium 1507. nitrous oxide, soil dentrification, temperature association 612. oxygen uptake, Saccharomyces cerevisiae continuous culture 900. phosphorus mineralization, 301 properties, forests 521. plaques diameter, phages 802. Services pagalacticular activity, lubricants adolitives 705. phosphorus mineralization, 301 properties, forests 521. plaques diameter, phages 802. Services polarization 802.

plaques diameter, phages 832.

5-100 protein, enzyme immunoassay, labelling, Eschenchia coli

B-D-galactiosidase use, cerebrospinal fluid, man 857.

Fadiometry, Mycobacterium fatty acids metabolism 837.

Saccharomyces cerevisiae, bacteria β-D-galactosidase activity 3622.

soil microorganisms, phosphate, biomass 567.

Friticum stem rust disease resistance, DNA hybridization 449.

animals carcasses, food contamination, Campylobacter fetus subsp. jejuni 1090. animais carcasses, rood contamination, Campylobacter fetus subsp. jejuni antimicrobial activity, sorbic acid 4810 bacteria contamination 5622. bacteria, food contamination 3833. cannel food, disease control, bacteria, fungi 3807. contamination, Campylobacter fetus subsp.jejuni, Salmonella, public health

surveys 1081.

contamination prevention, water chlorination 7611.

cured products, potassium sorbate inhibition Clostridium botulinum growth 3857.
food contamination 196.

food contamination 197. food contamination, Clostridium botulinum, factors affecting growth 4790.

rood contamination, ricorganisms, enumeration methodology 3613.
food contamination, microorganisms, enumeration methodology 3613.
food contamination, microorganisms, sewage sludge feeding regimes, cattle 4803.
food contamination, Pseudomonas aeruginosa, pt effects on 4795.
food contamination, Staphylococcus aureus, phage typing 2920,
goats, frozen foods, contamination, Bacillus cereus, Staphylococcus aureus,
Streptococcus 6600.

indicator species 6669. isolates, Clostridium perfringens, antibiotic sensitivity testing, antibiotic

Media (culture), (continued)
agar, growth conditions, Methanococcus maripaludis, Methanococcus voltae,
methodology 9050.
aribome microorganisms, Deuteromycetes 4512.
arimno acids, Bacillus stearothermophilus auxotrophs 3608.
anaerobic conditions, Mycoplasma hyosynoviae, growth 2668.
antibioric sensitivity testing, Streptococcus group B 7966.
antibioric repalisma urealyticum killing 833.
Aspergillus aculeatus, production, cellulase, growth conditions, effects on 3698.
bacteria, clinical isolates, cerebrospinal fluid 852.
Bactericides Eisophacterium nutrient requirements 5415. resistance 5235.
resistance 5235.
isolates, Selmonella, antibiotic sensitivity testing 9720.
isolation, bacteria 3826.
mayonnaise, growth, Salmonella typhimurium, Staphylococcus aureus, refrigeration, 229. Meat, (continued) 229. microflora, fermentation products, effects on behavior, Canidae 2928. microflora, fermentation products, effects on behavior, Canidae 2928. microorganisms food contamination, sampling methodology 9006. packaging, carbon dioxide inhibition Pseudomonas fluorescens, spoilage 7610. processing, bone, contamination, microorganisms 4783. Salmonella control, radiation treatment, reviews 8481. Salmonella isolation, media (enrichment) 4789. Salmonella isolation, media (enrichment) 4789. Salmonella immedia (isolation), surfactants, antibacterial activity 233 sheff life, bacteria leveis, storage conditions 7598. Salmonella, propriede surieus, psychrotrophic bacteria, yeasts, organoleptic properties, refrigeration 2038. Staphylococcus aureus survival, freeze-thawing, pH effects on 4816. starter cultures, Lactobacillus plantarum, phages, isolation, characterization 6676. Aspergillus acuteratis, production, centrales, growth continuous, energia, acutera, clinical isolates, cerebrospinal fluid 652.

bacteria, clinical isolates, cerebrospinal fluid 652.

Bacteridies, Fusiobacterium, nutrient requirements 5415.

bioassays, antibiotics activity 7970.

bioassays, antibiotics activity 7970.

bioassays, antibiotics activity 7970.

bioassays, antibiotics activity 7972.

bioreactors, Hansenula polymorpha, Escherichia coli, reviews 8084.

blood culture, sucrose effects on bacteria isolation 9930.

Campylobacter, aerobic conditions tolerance 5400.

Campylobacter felus subspiejuni 2899.

celloliose, Blakeslea Inspora fermentation, β-carotene, β-D-glucosidase, biosynthesis 104.

Trichoderma reessei 6526.

celloliase productis, cellulolytic microorganisms 6355.

sephalesporins biosynthesis, inoculum 1608.

Cercospora rosicola, effects on abscisic acid production 2731.

Clostridium acethoryticum, effects on, acetone, butanol, production 2660.

Clostridium saccharylicum, effects on, production, growth conditions 5575.

Clostridium saccharylicum, effects on, production, growth conditions 5575.

Clostridium saccharylicum, effects on production, growth conditions 5575.

Clostridium saccharylicum, effects on production, growth conditions 5575.

Clostridium saccharylicum, effects on bacisic acid production growth conditions 5575.

Clostridium perfringens, enumeration 5420.

Clostridium partiningens, enumeration 5420.

Clostridium partiningens, enumeration 5420.

Clostridium partiningens, enumeration for 1919.

counting methods, apparatus, aerobic bacteria 7213.

Cryptococcus neoformans, Filobasidiella neoformans perfect state 4538.

Cytospora abietis, extracts, Arceuthobium abietinum, Abies magnifica 5863.

dermatophyte fungi, identification 6354.

Endetriboacteriaceae, histamine production, seatood 2674.

Endetriboacteriaceae, histamine production, seatood 2674.

Enterobacteriaceae, histamine production, dermatophyte fungi 3630.

equipment, sterilization, γ, radiation 707.

feces isolation, Aeromo 6676;
vacuum packaging, carbon dioxide packaging, Enterobacteriaceae, Lactobacillus, spoilage 4879.
Yersinia enterocolitica, media (isolation) 2049.
Meat Industry, Norway, carcasses, bacteria food contamination 5618.
occupational exposure, sepsis, Streptococcus, hygiene, man 2634.
poultry, food contamination, Salmonella, Campylobacter fetus subsp.jejuni 6663. Meet production, food contamination, microorganisms 199. food contamination, microorganisms 199.

Meat products,
bacteria, enumeration 1083.
Clostridium perfringens food contamination, Chile 208.
food contamination, spoilage, lauricidin, preservatives 270.
preservation, softates, reviews 4873.
quality control, microorganisms food contamination 7566.
Salmonella growth inhibition, sodium nitrite, potassium sorbate use 3838.
Staphylococcus aureus, thermal injury recovery, preservatives effects on 264.
storage, spoilage, veasts, coliforms, effects on taste panel evaluation 4771.
vaccum packaging, Brochothrix thermosphacta food contamination, biological control, Lactobacillus use 4835.
vacuum packaging, spoilage, fungi 4880. Fonsecaea pedrosi 6344.

Iungi growth monitoring, penicillin fermentation, computer applications 9754.

Iungi growth monitoring, penicillin fermentation, computer applications 9755.

gases solubility, ruicroorganisms, reviews 8082.

growth, Thermus aquaticus, continuous culture 2691.

Haemophilius influenzae, bacteremia diagnosis, children 9934.

Helianthus tuberosus, extracts, yeasts, single-cell protein, production 7606.

identification, Clostridium difficile, norleucine+tyrosine 9907.

identification, Enterobacternaceae 6311.

identification, Kingella denitrificans, Neissena gonorrhoeae, growth inhibition 1est 9026. specificity, cell cycle, Schizosaccharomyces pombe 690. Mecillinam,
+ ampicillin, antibiotic synergism, antibacterial activity, gram-negative bacteria
9758. 9758 antibacterial activity, macromolecules biosynthesis, Streptococcus mutans, Streptococcus sanguis 7135. antibiotic sensitivity testing, Salmonella, Shigella, Vibrio cholerae 3407. inhibition, Mycooccus xarthus cell division 752. +p-lactarm antibiotics antibacterial activity 3314. +nocardicin A, antibacterial activity, cytolysis, inhibition protein biosynthesis, Escherichia coli 2555. test 9925
Lactobacillus acidophilus, whey 8146.
Legionella pneumophila, pH effects on isolation 9953.
Legionella pneumophila, pH effects on isolation 9953.
Leptospira 5421.
magnesium chloride, photoactivation, riboflavin, bactericidal activity, Saimonella typhimurium 8781.
Metarrhizum anisopliae 8151.
methodology, Bifidobacterium bifidum, isolation, mutants 8133.
methodology, Escherichia coli, enterotoxins biosynthesis, conferences 9881.
methodology, Escherichia coli, enterotoxins biosynthesis, conferences 9881.
methodology, usolation, Vibrio parahaemohyticus, identification, Vibrio methodology. test 9925 Mecoprop, biodegradation, soil microorganisms 2878. egar, dehydration, incubation 819.
agar, selection, Claviceps alkaloids production 5562.
agar, selection, Claviceps alkaloids production 5562.
agricultural productis, Bacillus sphaericus growth, sporulation 9041.
analysis, artibacterial activity, gentamicin, tobramycin, netlimicin, bacteria clinical isolates 7074. clinical isolates 7074.
characterization, association, Cephalosporium acremonium, cephalosporin C
production 8843.
4-chlorobenzioic acid, Pseudomonas amino acids biosynthesis 7308.
Citrobacter freundii recovery 877.
comparison, enumeration, coliforms, sea water 9956.
composition effects on, Lysobacter enzymogenes enzymes biosynthesis 8297.
differentiation, Enterobacteriaceae hydrogen sulfide biosynthesis 6603.
differentiation, yeasts 2722.
drug sensitivity testing, Mycobacterium tuberculosis, swabs culture methodology
669. methodology, isolation, Vibrio parahaemolyticus, alginolyticus 2678. methodology, solation, Vibrio parahaemolyticus, identification, Vibrio alginolivicus 2678.

methodology, Sporidesmium sclerotrorum, sporulation 6356.
Mycobacterium, differential diagnosis 2704.

neutralization, Staphylococcus aureus, recovery methodology 5425.
Nocardia, effects on cholesterol biodegradation 2893.

organic compounds, effects on, Fusarium oxysporum f.sp. chrysanthemi, Fusarium oxysporum f.sp. lini, with 4040.

polyumphyrmolidone+Tween, Leptospira interrogans growth 9031.

preparation, bacteria, comparison 6323.

Pseudomonas aeruginosa identification, association

9-chloro-9-(4-diethylaminopheny)-10-phenylacridan 9954.

rosamicin biosynthesis, Micromonospora rosaria 2726.

Ruminicoccus flavefacienes nutrient requirements 9891.

Shigelia flaxieni, Corynebacterium pseudodiphthericum 5418.

Staphylococcus aureus, effects on serotyping, antisera 861.

stemization, death kineritics, microorganisms 7963.

Streptococcus pyogenes, Alcailigenes facealis 641.

Stemization, death kineritics, microorganisms 7963.

Susponicoccus pyogenes, Alcailigenes facealis 641.

stemization, death kineritics, microorganisms 7963.

Vaccinium, effects on mycorhizas formation 6970.

+vacidiamycin, use isolation, soli microorganisms, fungi 2709.

Vibrio cholerae, iipopolysaccharides production 3891.

water activity, liquid culture 3515.

wort, yeasts, fungi 2714.

Xanthomonas campestris, extracellular polymers, polysaccharides biosynthesis 2682.

Yersmia enterocolitica, identification 3604. identification, Vibrio 869.
enumeration, bacteria, sulfate reduction 2689.
ethanol, yeasts growth, lipids biosynthesis 7468.
factor analysis, drug sensitivity testing, augmentin drug sensitivity testing,
gram-negative bacteria 2697.
fermentation, yeasts separation techniques 9983.
fermentation, yeasts separation techniques 9984.
glycerol, Acelobacter acetigenum cellulose biosynthesis 111.
identification, Proteus S403. identrication, Proteus 5403.
methodology, association, Aspergillus flavus aflatoxins production 1101.
methodology, Bascillus thuringiensis 6-endotoxin production 3888.
methodology, Bacillus thuringiensis 6-endotoxin production 3888.
methodology, bacteria recovery, animals, pleural fluid, synovial fluid 3609.
methodology, milk products, Streptococcus lactic acid fermentation 5426.
methodology, rumen bacteria enumeration 9890.
methodology, 5-fluorocytosine drug sensitivity testing, Candida, Torulopsis 897.
Monilinia, benomyl resistance, measuring techniques 7887.
nutrient requirements, rumen microorganisms, counting methods, cellulose
budgergardition 10007. nutrient requirements, rumen microorganisms, counting methods, cellulose biodegradation 1007; optimization, Streptomyces cremeus tobramycin biosynthesis 6227, oxygen content, association, Bacillus brevis gramicidin S biosynthesis 6225, oxygen content effects on Bacillus brevis gramicidin S biosynthesis 6226, role, bacteria recovery, mice isolates 3546, role, Phizobium viability association storage 7242, semen cryopreservation, contamination, antimicrobial activity, nipagin 1591, slide preparation, fungi 2723, solutes, Staphylooccus aureus growth, water activity 864, synthetic, Versinia pestis pesticin production 1680, tissue culture, drug sensitivity testing, Mycobacterium, Mycobacterium tuberculosis 7911.

Media (culture), methodology, Mycoplasma 8142. Yersinia enterocolitica, identification 3604. Zymomonas mobilis, ethanol production 3550. Zymomoras mobilis, ethanol production 3550.

Media (enrichmen)
acetic acid, bacteria 9880
Campylobacter fetus subsp.jejuni 9944.
coilforms recovery, skim-milk 218.
comparison, Salmonella isolation, sewage 2675.
isolation, Campylobacter fetus subsp.jejuni 9936.
isolation, Campylobacter fetus subsp.jejuni, poultry, temperature, time, pH,
effects on 8141.
isolation, Salmonella, food contamination, sausages 4766.
liginosulfonate, Penicillium, metabolism, biodegradation 3797.
methodology, Vibrio fluvialis, liquid culture, enumeration 8136.
Salmonella isolation, Octobers 9060.
Salmonella isolation, chickens 9060.
Salmonella isolation, chickens 9060.
Salmonella, isolation, meat 4789. methodiogy, Mycoplasma 8142.

Media (culture),
agar, companson, liquid culture, Pseudomonas aeruginosa, Escherichia coli 9057.
agar diffusion test, aminoglycoside antibiotics 6102.
agar, freeze-drying, bacteria 5386.

Media (enrichment), (continued)
Salmonella typhimurium, thermal injury recovery 3574.
Shigelia fekneri, Yersinia enterocolitica, Shigelia sonnei, Salmonella typhimurium 3576. Medicago sativa. ledicago sativa,
Acyrthosiphon pisum pea streak virus transmission, Pisum sativum 3908.
affalta mosaic virus infection, epidemiology, Aphididae vectors 5696.
affalta mosaic virus, plant diseases, pathology 2996.
amino acids metabolism, Corynebacterium insidiosum wilt 3010
bacteria infection, effects on, nodulation, yield 2226.
bioassays, phytotoxins, Corynebacterium insidiosum 1114,
cell wallis celliulose, Ruminococcus albus biodegradation 9259,
crown rot, root rot, Pseudomonas viridiffava 6744,
crown rot, root rot, Pseudomonas viridiffava 6744,
crown rot, USA, Utah 9322. Singleid learner, referrita enterocolitica, Shigelia sonnei, Salmonella typhimurium 3576.

Versinia enterocolitica, 3606.

Versinia enterocolitica, isolation, poultry 3566.

Media (Isolation), aerocolitica, isolation, poultry 3567.

Media (Isolation), aerocolitica, products, cocoa 1791.

Gardinerella vaginalis, vagina, covor, poultry 310.

Haemophilius vaginalis, vagina, covor, poultry 410.

Haemophilius vaginalis, v albo-atrum 4063.

disease resistance, infection, bacteria, fungi 7750.

disease resistance, root rot Phytophthora megasperma f.sp.medicaginis, 3913.

disease resistance, with Eusarium oxysporum f.sp.medicaginis, virulence 3914.

epidemiology, wilt, Verticillium albo-atrum, USA, Wyoming 2123.

genotypes, nitrogen levels, nitrogen fixetion, Phizobium mellioti 605.

infection, Cylindrocarpon gracile, Fusarium roseum, relationship sulfur

deficiency 7658.

leafspot, Stemphylium botryosum, pathogenesis, light, relative humidity effects yeasts, soil 6348.
yeasts, soil 648.
yeasts, wild type, brewing 4527.
Yersinia enterocolitica, meat 2049.
Yersinia enterocolitica, meat 2049.
Yersinia enterocolitica, meat 2049.
Yersinia pestis 1787.
Zymomonas, beer 1992.
Zymomonas mobilis, auxotrophs 1788.
Iedia (caelective),
Acinetobacter 5393.
actinomycetes, metabolites, production 4706.
Agrobacterium 7256.
Aspergillus flavus, Aspergillus parasiticus 5437.
bacteria, fungi, molds 7212.
bacteria isolation, contagious equine metrits, horses 862.
Bordetella pertussis 9900.
Campylobacter fetus subsp.jejuni, food contamination, minced meat 1071.
Capnocytophaga, blood culture, agar 9906. Capnocytophaga, blood culture, agar 9906. Clostridium difficile 6319. Clostridium perfringens, spores 892. detection, Mycobacterium 9933. detection, mycobacterium 930.

dodine, Beauveria bassana, Metarhizium 3631.

Erwinia stewartii 9053.

Escherichia coli, agar methodology 2702.

+gentamicin, screening, Micromonospora, aminoglycoside antibiotics production +genta 6107 6107.

Haemophilus influenzae, respiratory tract isolation 9952.

identification, anastomosis, Fhizoctonia solani 9989.

isolation, Cylindrocladium, Fusarium, trees roots, stems 6352.

isolation, Laetisaria arvalis, soil 4212.

isolation, soil, Cochiliobolus sativus 4526.

Inicomycin, Uraeplasma, Mycoplasma, Acholeplasma 7233.

Macrophomina phaseolina sclerotia, soil isolates 1815.

Haetisophomina phaseolina ssociation Streptococcus thermophilus, enumeration 3571.

methodology, Staphylococcus aureus detection, association, food contamination 5416. 5416. Mycobacterium 4503 Mycobacterium 4503.

Mycoplasma hyorhinus, Mustela vison lung cells 4491.
novobiocin, Salmonella 3596.
panthothenic acid, Saccharomyces wild types 3628.
Penicillium viridicatum, cereals food contamination 7269.
Phytophthora cinnamomi, soil 324.
polymyxin B loss, Vibro parahaemolyticus, seafood 222.
Propionibacterium 3598.
Penudomones aprusiness 3615. polymykin is idea; vibrio paraneeriolyidos, searodu 222.
Propionibaterium 3598.
Pseudomonas aeruginosa 3615.
Pseudomonas aeruginosa, Escherichia coli, norfloxacin antibiotic resistance 2404.
Pseudomonas sotianacearum 8989.
Reinibacterium saimoninarum, methodology 5427.
Saccharomyces cerevisiae, wine, fermentation 8403.
Salmonella typhimurium, thermal injury recovery 3574.
Staphylococcus aureus, cell culture temperature relationship 2661.
Staphylococcus aureus, cell culture 1601.
Vibrio vulnificus 9949.
Xanthomonas campestris pv.pruni 5398.
Media (transport).

learsport, surveys, Egypt 5670.

leaves, phyloadexins, interaction, Verticillium albo-atrum 2999.

nitrogen fixation, nodulation, Rhizobium mellioti, light intensity, carbon dioxide, concentration effects on 9566.

nitrogen fixation, Rhizobium, nodules, bacteroids structure 9613.

nitrogen fixation, water stress effects on 4234.

nitrogen-15 distribution, bacteroids, nodules, Rhizobium, nitrogen fixation 9615.

nodulation, Rhizobium mellioti, auxotrophy mutants, adenine nutrient requirements nodulation, Rhizobium mellioti, auxotrophy mutants, adenine nutrient requirements. 9616 nodulation, Rhizobium mellioti, nitrogenase, genes, transcription 3228, nodulation, Rhizobium mellioti strains competition association 7857, nodulation, Rhizobium soils inoculation 5128. indulation, Finizodum sons inducation 5129.

nodules development, Rhizobium meliloti, nitrate effects on 3239.
pathogenicity, Verticillium albo-atrum strains 1131.
pH, effects on, Rhizobium meliloti, nodulation 3238.
photosynthesis carbon sources effects on, nitrogen fixation, Rhizobium meliloti Phytophthora megasperma f.sp.glycinea, pathogenicity, temperature effects on 336 phytotoxicity, polysaccharides, in vitro biosynthesis, Colletotrichum trifolii 353. plant breeding, disease resistance, Verticillium wilt 7669, plant diseases, surveys, USA, Wyoming 9330, races, disease resistance, screening, infection 477. Rhizobium melliot inoculation effects on nutrient uptake, soils (saline) 7842. Rhizobium melliot inoculation, vesicular-arbuscular mycorrhizas role growth, nutrient uptake, phosphorus lertilizers effects on 6943. Rhizobium mellioti, transposon 5, mutants, nodules, uitrastructure 7848. Rhizobium mellioti, transposon 5, mutants, nodules, uitrastructure 7848. Rhizobium modulation, association, Fusarium oxysporum infection 5114. root rot, crown rot, Trematosphaenia criorianas, USA, South Dakota 8532. root rot, Myrothecium rondum, Myrothecium verrucaria 9329. root rot, Myrothecium rondum, Myrothecium verrucaria 9329. sepenins effects on introgen cycle, soil microorganisms, peat 2355. screening, disease resistance, leafspot 6860. seed treatments, adhesives, inoculation, Rhizobium mellioti 6861. seeds, detection, seed-bome diseases, Verticillium albo-atrum 3918. sitage, Trichoderma viride, cellulase, role 2931. symbiosis, Rhizobium mellioti, acetylene reduction 2374. Verticillium albo-atrum pathogenicity 9331. Verticillium albo-atrum pathogenicity 9331. verticillium albo-atrum will, dia 4941. viruses infection 2103. viit, disease resistance, inheritance 6862. plant breeding, disease resistance. Verticillium wilt 7669. will, disease resistance, inheritance 6862.
will, Fusarium oxysporum I.sp. medicaginis, soil moisture, effects on, disease resistance 4097. wilt, Verticillium albo-atrum, effects on, Spodoptera eridania, growth, feeding 4943.
witt, Verticillium albo-atrum, pathogenicity, genetic analysis 3049.
yleid reduction, affalfa mosaic virus infection 2102.
yield, Rhizobium, vesicular-arbuscular mycorrhizas, phosphate levels, soil 7850. Medicago fruncatula, nitrogen fixation, Rhizobium 2366.

Medicago fressings, contamination, Bacillus, fungi, Micrococcus, Propionibacterium 8073. Medical equipment, anesthesia, bacteria contamination 7205. injectable vials, cost-benefit analysis, bacteria contamination 9822. nosocomal infection, man, reviews 2639 respirators, nosocomial environments, bacteria contamination 9823. respirators, nosocomial environments, bacteria contamination 9623, sterility, hydrogen peroxide, glutaraldehyde, santitzers 5227.

Medical instruments, sterilization, paraformaldehyde tablets use 5228.

Medical personnel, anesthesia, man, medical equipment, bacteria contamination 7205, nasopharynx, Staphylococcus aureus isolation, antibiotic resistance, antibiotic sensitivity testing 9890. Medicarpin, Cicer arietinum, metabolism, Fusarium solani 3779. Medicinal plants, extracts, antifungal activity, Drechslera turcica, leaf blight, Zea mays 7756. lealspot, phytopathogenic fungi 7686. Medicine, bacteria contamination 4464 +propham, effects on soil microorganisms, nitrogen cycle, cellulose decomposition 7012. Medinoterbacetate innibition, soil microorganisms growth 3249 Megacin A,
Bacillus megaterium, comparison, bacteriocins 8044 Megamodulin,
Escherichia coli, purification, characterization 7301,
purification, characterization, Saccharomyces cerevisiae 5477.

disease reservoirs, pea streak virus, alfalfa mosaic virus 3929. disease resistance, anthracnose, Colletotrichum trifolii 5046, disease resistance assays, wilt. Corynebacterium insidiosum, Verticillium albo-atrum 4063.

leafspot, S on 1141

leafspot, surveys, Egypt 5670.

History, and the control of the

Medicago rugosa, Helminthosporium carbonum infected, leaves, phytoalexins, isolation, characterization 1355

Megasella halterata, oviposition attractants, chemical composition, Agaricus bisporus 6661.

Megasphæra eladenli, butyri-CoA dehydrogenase, purification, characterization 8224. flavodoxin, riboflavin 5-phosphate mobility, N.M.H. 7302. propachlor metabolism, 2-mercapto-N-isopropylacetamilide production 8385 substrate analogis inactivation butyri-CoA dehydrogenase 1887.

Melampsora larfic-populina, growth, benzimidazole effects on, leaves culture, Populus 6880.

Melampsora lini, rust, histology, ultrastructure, leaves, Linum usitatissimum 9401.

Melampsora meduase, infection, Populus deltoides, isolates temperature tolerance 2206. leaf rust, photoperiod, effects on, pathogenesis, populus 6830. leaf rust, Populus deltoides, Populus euramencana, temperature, role, disease resistance 6911. races, sensitivity, light intensity, temperature, infection, Populus deltoides

races, sensitivity, light intensity, temperature, infection, Populus deltoides 6017

rust, Populus, epidemiology, Canada 4170.

Melanconis flavovirens,
antibiotics production, inoculum levels, liquid culture 8022.

Melanin.

decomposition, soil microorganisms 1476. production, Streptomyces cattleya, balance studies 7997.

chemical composition, Coprinus, role humus formation, soil 9218, deficient mutant, complementation genetic analysis, gene mapping, association Gossypium witt. Verticillium dehilies 6796. fungi, degradation, soil microorganisms, soils (sodic) 2335. Phelinus weirii, role wood decay 6933. Melanoldin,

coloration removal, use, Coriolus enzymes 150.

coloration removar, use, Melanose, Diaporthe citri, Citrus latifolia, epidemiology, USA, Florida 9376. Melliotus alba, tobacco streak virus infection, host specificity, pathogenesis, disease transmission 1126.

Metoldogyne Incognita, disease resistance, association potato virus Y infection, Nicotiana tabacum 9433. disease resistance, relationship, potato virus Y infection, Nicotiana tabacum

9432.

effects on pathology, Cylindrocladium crotalariae root rot, Glycine max 3909.
infection, effects on, lycopersicon esculentum, susceptibility, Fusarium
oxysporum f.sp. lycopersici 1281.
infection, Impatiens, amino acids, ± Plasmopara obducens infection 2205.
interaction, Fusarium oxysporum f.sp. lycopersici, effects on, Lycopersicon
esculentum, growth factors, production 1276.
+Rhizoctonia bataticola, mixed infection, plants, effects on growth 4992.

Meloidogyne incognita acrita,
infection, +Fusarium oxysporum f.sp. vasinfectum wilt, disease resistance,
Gossypium hirsutum 7732.

Meloidogyne javanica, interaction Fusarium oxysporum f.sp.lycopersici, wilt, Lycopersicon esculentum

Interaction Fusarium oxysporum f.sp.lycopersici, wilt, Lycopersicon esculentum 3990.

Membrane filtration, coliforms, indicator species 2671. dinking water coliforms, enumeration afficiency 3567. dinking water coliforms, enumeration afficiency 3567. dinking water, rotavirus (simian) concentration 3538. enumeration equipment, bacteria, food contamination 3575. "fluorescence, counting methods, bacteria 1798. dod contamination 176. district control of the properties of the second second fluorescence, counting methods, bacteria 1798. dod contamination 176. district control of the second fluorescence counting methods, bacteria 1898. dod contamination 176. district control of the second fluorescence counting methods 8138. isolation, mRNA, SV40 transformed cells 829. microorganisms enumeration 3512. wastewater treatment, louling organisms, bacteria, films characterization 3465. microorganisms enumeration 3512. wastewater treatment, louling organisms, bacteria, films characterization 3465. Membrane trusion, protoplasts, actnomycetes, recombination, technology 5422. Membrane permeability, antibiotic 1-640,876 antibacterial activity mechanisms 4409. association, partipiotic resistance, Mycobacterium intracellulare 7047. association, bacteria fatty acid composition 8895. clofoctol, effects on, Bacillus subtilis 6053. Escherichia coll, porins, role antibiotic resistance, β-lactam antibiotics 1542. fungicidal activity, copiamycin, synergism, imidazole 9679.

Inglicidal activity, copiamycin, synergism, imidazole 9679. microorganisms, haloidalkylmalonic esters, alkyl phenoxypropandioles, 2-methyl-5-alkyl-5-phenoxy-1,3-dioxane, effects on 7957. outer membranes, association,

Membrane potential,

voter membranes, association, Pseudomonas aeruginosa, polymyxin antibiotic restance 632.

Paracoccus derritriicans, analysis, electrodes construction methodology 8124.

Paracoccus derritriicans, analysis, electrodes construction

Membrane proteins,
 Aeromonas salmonicida, cell surface, purification, physicochemical properties
 7290.

3471.

Tractionation, Halobacterium halobium 2739.
Hordeum vulgare, phytotoxins binding, Rhynchosporium secalis, scald 9346.
Pseudomonas aeruginosa, envelopes, antibiotic resistance, polymyxin 2414. Membrane structure,

mitochondria, demosan, antifungal activity 1416.

Membrane vealcles,
NADH dehydrogenase, purification, characterization, Bacillus subtilis 966.
Neisseria gonorrhoeae, purification, affinity chromatography 835.

Membranes,

cellulose acetate, isoelectric focusing methodology, bacteria β-lactamase

dialysis, interspecific relationships, fungi, methodology 2715. Escherichia coli, mannans biosynthesis 110. inorganic compounds, bacteria ultrafiltration, milk 4782. lipids, microorganisms, relationship soil sediments 5104.

Membranes, (continued)

embranes, (continued)
Micrococcus luteus, menaquinones, carotenoids biosynthesis 2839.
reverse osmosis, cellulose acetate, biodegradation, bacteria, fungi 2883.
ribosomes, Bacillus licheniformis, biosynthesis, a-amylase.

mosomes, pacifius inclementalis, posyminesis, dramylose-a-D-glucosidase 8295. Saccharomyces, fatty acids, role, ethanol production 6633. ultrafiltration, bacteria, hygiene, milk products 4791.

Memorandsorus neteranuelee, infection, cytopathology, Heteranthera dubia 9428. Menaquinone, biosynthesis, bacteria, precursors, enzymes, genetic control, reviews 6628. Streptomyces albus, structure, spectroscopy, taxonomy 5552.

Menaquinones, biosynthesis, Micrococcus luteus membranes 2839.

Mengovirus, interferon antiviral activity, L cells 7103.

Meningitis,
diagnosis, counter immunoelectrophoresis, man 6316.
diagnosis, latex agglutnation 9957.

diagnosis, latex agglutination, Neisseria meningitidis, Haemophilus influenzae, man 3597.

man 3397. treatment, man, relationship Streptococcus pneumoniae antibiotic sensitivity testing 8817. Mental retardation,

children, oral hygiene association, dental canes, Finland 8079. Mentha, rust, Puccinia menthae infection, pathogenicity, host specificity 431.

Tust, Pubmia furnitiae inection, parrogenicity, rosa specificity 401.

Mentha arvensla,
essential oils, antifungal activity, Fusarium lateritium f.sp.cajani 6062.
Mentha arvensla var.piperascens,
essential oils antifungal activity, Helminthosporium oryzae 6876.

essential oils antifungal activity. Helminthosporium oryzae 6876.
Mentha piperata,
extracts, antifungal activity. Aspergillus niger, Penicillium chrysogenum 2479.
peraturats, antifungal activity. Aspergillus niger, Penicillium chrysogenum 2479.
production, intestinal microflora, propachlor metabolism 8385.
2-Mercaptobenzenmethanthol,
diesters, antifungal activity 3340.
Merconaria campechienais,
contamination, Escherichia coli, relationship, Salmonella 2042.
seafood, storage effects on bacteria 4765.
Merconaria mercenaria,
depuration, peristence, Vibrio harveyi, Vibrio parahaemolyticus, Escherichia
coli 2052.
politovirus bioaccumulation, polluted environments 1711.

poliovirus bioaccumulation, polluted environments 1711.

Mercuric oxide. disease control, white rot, Conolus versicolor, pruning wounds, Malus pumila 6873.

Mercuric reductase, Pseudomonas aeruginosa, active sites, N-terminus, amino acid sequence, homology glutathione reductase (NAD(P)H), dihydrolipoamide dehydrogenase 9175. Yersinia enterocolitica, characterization, mercury resistance 8727.

Mercury, aquatic environment, chemical speciation 1516.

Bacteriodes susceptibility 681.
Bacteriodes susceptibility 681.
drug resistance, hospitals, clinical isolates, Escherichia coli, Staphylococcus aureus 662.

acides 002. resistance freeze-thawing, effects on plasmids Pseudomonas aeruginosa 3265. resistance, mercuric reductase, characterization, Yersinia enterocolitica 8727. resistance, R factors, Staphylococcus aureus 2403.

resistance, H ractors, Staphylococcus aureus 2403.

Merla coniospora,
conidia germination, fixation, potassium permangonate use 4519.

Merla laricia,

Larix defoliation, association Adelges grazing 540. Meristem tip culture,

Meristem tip culture, carnation mottle virus, enzyme-linked immunosorbent assay detection, Dianthus caryophyllus 7223. elimination, plum pox virus, Prunus domestica 2246. elimination, viruses infection, association, regeneration 469. nepovirus, elimination, Vitis virulfera 3134. use. Solanum tuberosum, infection, potato virus X, potato virus Y 2155. viruses elimination, Allium sativum 1385. viruses elimination, Fraganar 2243. Merremia pacifice, witches' broom, mycoplasma-like organisms, disease transmission, Orosius lotophagorum ryukyuensis 9424. Mesociplogaster,

Mesodiplogaster,
grazing, effects on Pseudomonas cepacia nitrogen mineralization 614.
Mesophilic bacteria,
comparison, Clostridium thermocellum, sugar production, cellulose biodegradation
9251.

Metabolism.

, clinical isolates, levels, use, diagnosis, anaerobic bacteria infection 894

1994. carbohydrates, pathways, tricarboxylic acid cycle, bacteria, enzymes 123. fatty acids, Mycobacterium, measuring techniques, radiometry 837. nucleic acids, Solanum tuberosum, potato virus X infection effects on 2187. soil properties, humus, pollution, effects on, lead 2326 sugars, glucokmase, furdokinase, characterization, Zymomonas mobilis 105. et al. (2016).

Metalaxyl, accumulation, tubers, antifungal activity, Phytophthora infestans, Solanum tuberosum 9495. analogs, chemical control, Phytophthora infestans, Solanum tuberosum 2288.

antibacterial activity 8633.

```
Metalaxyl, (continued)
antifungal activity, Pythium, Phytophthora 481.
+ chlorothalonil, +ethylene bisdithiocarbamate, Spinacea oleracea disease control, Methanobacillus kuzneceovii, benzyleneillin effects on methane formation 2551.
disease control, Brema lacturae, downy mildew. Lactura sativa 5837.

Methanobacillus, Marchanobacillus, Marchanobacillus,
             white rust, blue mold 504.

white rust, blue mold 504.

white rust, blue mold 504.

disease control, Brema tactucae, downy mildew, Lactuca sativa 5837.

disease control, Helianthus annuus downy mildew, Lactucae sativa 5837.

disease control, Helianthus annuus downy mildew, Brassica pekinensis 863.

disease control, Phytophthora cinaremon, root rot, Abes frasers 5867.

disease control, Phytophthora cinaremon, root rot, Abes frasers 5867.

disease control, Phytophthora intestans blight, Solanum tuberosum 9494.

diseases control, Phytophthora diseases control, Phytophthora cactorum collar rot, Citrus paradias 5065.

effects on pathology, Phytophthora cactorum collar rot, Malus pumila 505.

effects on pathology, Phytophthora cactorum collar rot, Malus pumila 505.

effects on pathology, Phytophthora cactorum collar rot, Malus pumila 505.

effects on pathology, Phytophthora cactorum collar rot, Malus pumila 505.

effects on pathology, Phytophthora cactorum collar rot, Malus pumila 505.

effects on pathology, Phytophthora cactorum collar rot, Malus pumila 505.

effects on pathology, Phytophthora cactorum collar rot, Malus pumila 505.

effects on pathology, Phytophthora cactorum collar rot, Malus pumila 505.

effects on pathology, Phytophthora cactorum collar rot, Malus pumila 505.

effects on pathology, Phytophthora cactorum collar rot, Malus pumila 505.

effects on pathology, Phytophthora cactorum collar rot, Malus pumila 505.

effects on pathology, Phytophthora cactorum collar rot, Malus pumila 505.

effects on pathology, Phytophthora cactorum collar rot, Malus pumila 505.

effects on pathology, Phytophthora pumilar to performance liquid chromatography 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Methanogenesis,
Archebacteria 7017
                  resistance, Phytophthora infestans, association Solanum tuberosum infection, Netherlands 6795.

resistance Phytophthora infestans, incidence, infectivity, Solanum tuberosum, lengt 6709.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               bactena, dehalogenation, haloaliphatic organic compounds 5290.
2-bromoethanesulfonic acid, 2-chloroethanesulfonic acid, inhibition, acetic acid,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2-bromoethanesulfonic acid, 2-chloroethanesulfonic acid, inhibition, acet metabolism, methanogenic bacteria 5136. 
choline, Desulfovibno, interaction, Methanosarcina barkeri 3261. 
choline, Desulfovibno, interaction, Methanosarcina barkeri 3261. 
digestion (anaerobic), activated siudge solid wastes 1692. 
digestion (anaerobic), apples 4442. 
digestion (anaerobic), crop residutes, inoculation, enumeration 7197. 
digestion (anaerobic), industrial wastes, microorganisms, reviews 7196. 
digestion (anaerobic), industrial wastes, tanning 8964. 
digestion (anaerobic), use carbon sources, Spirulina maxima 625. 
kinetics, digestion (anaerobic), agricultural wastes 9798. 
lakes sediments, bacteria, factors affecting 624. 
landfills, waste disposal 4263.
                  Israel 6798.

Toot rot, stalk rot, Phytophthora megasperma f.sp.glycinea, Glycine max 1420. seed treatments, disease control, downy mildew, Oryza sativa 1433. seed treatments, effects on introgen fixation, disease control, Phytophthora megasperma f.sp.glycinea, Glycine max 8644. seed treatments, Pennisetum amencanum, disease control, Sclerospora graminicola downy mildew 9502.
             downy mildew 9502.
sensitivity, Phytophthora infestans infection, Solanum tuberosum 504.
treatment, blue mold, Peronospora hyoscyami, Nicotiana tabacum 2287.
treatment, Phytophthora palmivora canker, Theobroma cocoa, disease control 1417.
treatment, pythium infection, Gramineae 4114.
use, ornamental plants disease control 5056.
fetalio-proteinase inhibitor,
purification, characterization, Streptomyces rishiriensis, Aspergillus oryzae
2736.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             landfills, waste disposal 4263.
messphilic bacteria, cigi manure 4262.
methanogenic bacteria, den methane effects on 3259.
oxygen effects on, digestion (anaerobic), comparison, rumen, spectrometry 9629.
oxygen effects on, digestion (anaerobic), rumen, in vitro 8058.
phenol, bacteria, contamination, aquifers 4450.
reactors methodology, fermentation 8716.
sewage sludge, digestion (anaerobic) 8934.
temperature, carbon dioxide, atmospheric conditions, effects on, methanogenic bacteria 8715.
                                  2735
  Metalioproteinase inhibitor,
Streptomyces rishiriensis, purification, characterization 3692.
                  binding, Bacillus subtilis, conversion 4257
               binding, Bacillus subtilis, conversion 4257.
cations, effects on pectic esterase production, Verbcillium albo-atrum,
Verbcillium dahiae 7313.
dietary intake, animals, aflatoxicosis interaction 490.
fouling organisms, arribactienal activity, antifouling substances, sea water 151.
inhibition 4-hydroxybenzoate 3-monoxygenase, Pseudomonas fluorescens 8275.
ions, resistance, bacteria, association, plasmids, reviews 8735.
nutrient availability, chelates, sewage sludge, digestion (anaerobic) 8947.
nutrient requirements, sewage sludge, digestion (anaerobic) 8946.
role Escherichia coli, alkaline phosphatase, subunit association, formamide
effects on 2770.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               bacteria 8715.

Methanogenic bacteria,
acetic acid, metabolism, 2-bromoethanesulfonic acid, 2-chloroethanesulfonic acid,
inhibition, methanogenesis 5136.
call culture methodology, anaerobic conditions 3549.
cellulose anaerobic digestion, methanogenesis 3258.
coenzyme 7-420 assays, high-performance liquid chromatography, fluorescence,
sewage sludge 9021.
high-performance liquid chromatography phospholipids assays, environments
isolates 5382.
                                  effects on 2770.
  tolerance, bactena, association, soil pollution 6980. uptake, bacteria, wastewater treatment 5313.

Metarhizium,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             isolates 5382: isolates 5382: isolates 5382: isolates 5450. metabolism, sewage treatment, technology, books 5450. metabolism, sewage treatment, technology, books 5450. methanogenesis, digestion (nanerobic), use carbon sources, Spirullina maxima 625. methanogenesis, methane effects on 3259. methanogenesis, methane effects on 3259. methanogenesis, oxygen inhibition, digestion (anearobic), rumen, in vitro 8058. methanogenesis, sewage studge, digestion (nanearobic) 8934. methanogenesis, sewage studge, digestion (nanearobic) 8934. methanogenesis, temperature, carbon dioxide, atmospheric conditions, effects on 8716.
Metarhizium, media (selective), dodine 3631.

Metarhizium anisopilae, biological control. Culex quinquefasciatus 2836. biological control. eggs, larvae, Ottorhynchus sulcatus 986. biological control. eggs, larvae, Ottorhynchus sulcatus 986. biological control. patriogenicity, animals 4711. conida, viability, storage conditions, effects on, virulence, Culex pipiens
                                  7480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             8715
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               mixed culture, biodegradation, propionate, pathway 4748. ribosomes protein biosynthesis, antibiotic sensitivity testing 2423.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             concentration, Kloeckera growth, carbon limitations, assimilation enzymes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             concentration, Noeckera grown, carbon limitations, biosynthesis 6552. conversion, Butyribacterium methylotrophicum 9216. metabolism, energetics, Pichia pastoris 7546. metabolism, Pseudomonas fermenters 6318.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 +organic compounds loading, anaerobic conditions, bioreactors, degradation association 8940.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           association 6943.

Substitution of the state of the state
```

749J.
growth, liquid culture, nutrient sources, carbohydrates 4535.
pathogens, biological control, Nasutitermes exitiosus 1966.
peptides antibioric K-582, amino acid sequence 7169.

Metarrhizium anisopliae,
conidia, viability, characterization, biological control, Culex pipiens 7479.
conidia, viability, lemperature, relative humidity, effects on, virulence; culex pipiens, Anopheles stephensi 7478.
media (culture) 8151. Meteorology, relationship, epidemiology, blast, Pyricularia oryzae, Oryza sativa 1182. sensors, plant diseases epidemiology, aspiration systems 8530. Metham, fumigation, disease control, Glycine max 5060.
fumigation, inhibition nitrogen fixation, nodulation, Glycine max 3251.

Metham sodium, disease control, Arachis hypogaea, Pythium myriotylum pod rot, Verticillium wilt disease control, lettuce drop, Sclerotinia minor, Lactuca sativa 4002.

Methamidophos,
disease control, Nephotettix virescens, vectors, rice tungro virus 6847. Methanopterin, relationship carboxy-5,6,7,8-tetrahydromethanopterin structure, Methanobacterium thermosutotrophicum 4577, thermosutotrophicum 4577. thermoautotrophicum 4577.
structure. Methanobacterium thermoautotrophicum 4576.

Methanosarchia barkerl,
coenzyme F430 containing proteins, purification, characterization 2737.
ferredoxin purification, characterization 2741.
interaction, Desulfovibrio, methanogenesis, choline 3261.
ribosomes protein biosynthesis, antibiotic sensitivity testing 2423.
Methanospirillum hungatei,
dicyclohexykarbodiimide sensitivity 3303. disease control, Nephoterix virescens, vectors, nee tunglo virus 6647.

biosynthesis, veasts, cellulose metabolism 7510.

effects on methanogenesis, methanogenic bacteria 3259.

extraction, coal seams, use, culture, growth, methylotrophic bacteria 7870.

formation, Methanobacillus kuzneceovii, benzylpenicillin effects on 2551.

gas production, microorganisms, animal wastes fermentation, antibiotics effects on 1039. on 1039.
gas production, soil microorganisms, soil moisture, nitrate effects on, anaerobic conditions 9567.
hydrogen, fermentation, straw+food wastes substrates 5995.
oxidation, bacteria, coal mines 4265.
oxidation, acteria, coal mines 4265.
oxidation, methylotrophic bacteria, metabolism enzymes 7871.
oxidation, Nitrosococcus coceanus, Nitrosomonas europaea 4267.
production, anaerobic bacteria, cattle fecas fermentation 5138.
production, cellulose conversion, fermenters, cellulority bacteria 8441.
production, straw+manure mixtures 9630.
production, intermophilic bacteria, isolation, growth, morphology 2386.
reactors, mathematical models, digestion (anaerobic), bacteria 5306. Methicillin, ietnicium, artibacterial activity, diptheroids 7977. artibacterial activity, Staphylococcus, clinical isolates 8804. artibacterial activity, Strepticoccus group B 3409. artibacteria activity, Strepticoccus group B 3409. Staphylococcus epidermidis 8723. Staphylococcus epidermidis 8723. antibiotic resistance, phospholipid composition, Staphylococcus aureus 9648. antibiotic resistance, plasmids, Staphylococcus aureus 6019. antibiotic resistance, protein composition, Staphylococcus 655. antibiotic resistance, protein composition, Staphylococcus 655. antibiotic resistance, Staphylococcus aureus 3267.

Methodology, (continued)
mutagenicity testing, Ames test 845.
Mycobacterium smegmatis, mycobactin production 117.
Mycobacterium smegmatis, spheroplasts, isolation 856.
Neisseria gonorrhoeae, identification 872.
noncooking, association, alcohols fermentation, use, grain 1045.
Physalis angulata lesions, use, detection, potato virus A mixed infection 2157.
precipitation, monoclonal antibodies, molecular weight, antigenic determinants, glycoproteins, Rauscher leukemia virus 1748.
Pseudomonas putida prirotoplasts formation 2701.
radioactive labelling, viruses proteins 1761.
reactors, factors affecting, growth, thermus, Bacillus 1794.
reaning, Helliothis armigera confertus, nuclear polyhedrosis virus, granulosis virus 1738.
recovery, poliovirus, adenovirus, contamination, crops, leaves 1767. Methicillin, (continued)
antibiotic resistance, Staphylococcus aureus 5160.
antibiotic resistance, Staphylococcus aureus 8740.
antibiotic resistance, Staphylococcus aureus, Eire hospitals isolates, plasmids antibiotic resistance, Staphylococcus aureus, Eire nospitals isoitates, piesimus role 7032.

antibiotic resistance, Staphylococcus aureus, nosocomial environments 3301. antibiotic resistance, Staphylococcus aureus, septa, peptidogiycans, biosynthesis, role 5148. antibiotic tolerance, Staphylococcus aureus 5250. resistance, Staphylococcus aureus antibiotic sensitivity testing methodology 4381.
resistance, susceptibility strains, Staphylococcus aureus, addicts isolate, antibiotic sensitivity testing 3393. sensitivity, Staphylococcus aureus, cloxacillin disc-diffusion test 639. sensitivity, Staphylococcus epidermidis 8828. Staphylococcus aureus, antibiotic resistance 3403. Yersinia pestis antibiotic sensitivity testing 6110. 4381 recovery, poliovirus, adenovirus, contamination, crops, leaves 1767: sampling, bacteria contamination, carcasses 2028. sampling, feces, pathogens, man 2708 Staphylococcus antensis antens samping, leces, pathogens, man 2708 screening, antitumor antibiotics, detection, Actinomycetes 2581, screening, identification, characterization, fungi antitoxins 898, sensitivity, detection, Mycoplasma, cell culture 1770, solubilization, yeasts, β-D-galactosidase release 103, species diversity measurements, bacteria cell culture, sampling, statistical analysis 870. analysis 870.

staming, localization, hepatitis B surface antigen, liver, man 827.

Staphylococcus aureus identification, fibrinogen hemagglutination use 844.

statistical analysis, antimicrobial agents susceptibility. Eschenichia coli 1795.

swabs culture, Mycobacterium tuberculosis 869.

treatment, industrial effluents, food industry, reviews 792.

vesicular stomattis virus purification, association Ehrlich ascites tumor cells video cassette recorder use, bacteria electrophoretic mobility assays 2692 virulence bioassays, Deuteromycetes, Insecta 1002.
waste treatment, removal, bacteria, pollution indicators 2610.
water purification, microorganisms 1714. Methisazone, injection, disease control, apple mosaic virus, Malus pumila 9500.

Methisoprinol,
antiviral activity, rabies virus, BHK-21 cells 7100. Methisoprinoi, anthrial activity, rabies virus, BHK-21 cells 7100.

Methodology, aflatoxins detection, urine, man 1100. agar, media (selective), Eschenchia coli 2702. antibiotic sensitivity testing, anaerobic bacteria 1602. antibiotic sensitivity testing, anierobic bricroorganisms 1593. antibiotic sensitivity testing, animal isolates 2504. assays, proteolytic bacteria, soil, sludge 850. bacteria trapping, fibrin polymerization 2698. biood culture, bacteremia diagnosis, man 860. candidiasis incidence, man, Nigeria 1612. cerval microflora, man, quantitation, sampling 883. characterization, prevengi yeasts, ethanol fermentation 1049. collection, sediments, detection, viruses, manne environment 2655. comparison, artitigens localization, Pastuurella haemolytica, cryopreservation 849. concentration, phages, isolation, waste water 2654. contamination analysis, association, bacteria culture, freeze-drying 2684. culture, Streptococcus group A, anaerobic conditions, infection diagnosis, man 2696. Methotrexate, analogs, interaction tetrahydrofolate dehydrogenase, fluorescence, Lactobacillus casei 2801. 7-Methoxy-3'-deacetylcephalosporin C, isolation, Streptomyces, characterization 7990.
3-Methoxy-2,5-toluguinone, 3-Methoxy-2,5-toluquinone,
Aspergilius, biosynthesis, antibacterial activity 1643.
3-Methoxy-4-methyl-5-prop-1-enylfuran-2(5H)-one,
metabolites, Hypoxylon serpens, spectroscopy 7497.
N-Methoxycephalosporins,
synthesis 5245.
7-Methoxycephalosporins,
synthesis 5246.
Wethoxyethylene,
+ benzethonium chlorde+maleic acid, antibacterial activity, in vivo, in vitro
6041. 6-Methoxymellein antifungal activity, Cladosporium cladosporioides, wound healing, Daucus carota Autoria acutor and processor and acutorian control and acutorian control acutorian c 2696 detection, phomopsis leptostromiformis, infection, Lupinus angustifolius, seeds 181.
detection, Salmonella food contamination, chickens carcasses 1077, detection, Shigella aminopeptidase 871, detection, Shigella aminopeptidase 871, diagnosis, leptospriosis, man, animals 2662, diagnosis, salmonellosis, X radiation probes, antibodies labelling 1799, disease control, maize streak virus infection, Zea mays 461, disinfection, waste water, microbiology, bibliographies 1698, enumeration analysis, bacteria 2677, enumeration, Campylobacter fetus subsp.jejuni, aquatic environment 2676, enumeration, gram-negative bacteria, cosmetics 2679, enumeration, microorganisms, association, substrates uptake, aquatic environment 818. enzyme-linked immunosorbent assay, detection, antibodies, togavirus 1746. Escherichia coli detection, aquatic environment 2667. extraction, Cloistidium perfringens, spores, sediments 1771. fluorescent antibody test, detection, antigens, rinderpest virus, diagnosis, cattle 830. furnigation, induction plants stunt, endomycorrhizas role growth 5913. Pinus, leaf litter, effects on soil microorganisms 3250. soil furnigation, effects on mycorrhizas, Vitis vinifera, relationship, stunt 3-0-Methyl cyclopolic acid, antimicrobial activity, Aspergillus duricaulis 8877 Cattre 630.

Foliar applications, biological control, pathogens, Arthropoda 991.

B-D-galactosidase purification, Saccharomyces anamensis immobilization 901.

herpes simplex virus typing, drug sensitivity testing association thymidine knase activity 1741. 3'-O-Methyl guanosine, inhibition, vaccinia virus, RNA biosynthesis 3360. Methyl hydroxybenzoate, inhibition, trimethylamine-N-oxide reductase, Escherichia coli 269. ± monolaurin, antiviral activity 700. high-performance liquid chromatography, Agaricus bisporus agaritine isolation 2712. high-performance liquid chromatography, cell-free system. Streptomyces clavulgerus 1792 in chromatography, cell-free system. Streptomyces clavulgerus 1793 in chromatography. General Confedentification, Fisces pathogens, Vibrio, Pasteurella 1785. Identification, polymyali B, reaction, lipopolysaccharides, cell walls, bacteria Identification, polymyali B, reaction, lipopolysaccharides, cell walls, bacteria monolaurin, antiviral activity 700.

Methyl isothiocyanate,
 +1,2-dichloropropane, +1,3-dichloropropene, soil fumigation, Fusarium oxysporum
 f.so. melonis invasion 5898.

N-Methyl-N'-nitro-N-nitrosoguanidine,
induction, mutation, Streptomyces bikiniensis, effects on streptomycin
biosynthesis, antibiotic resistance 5256.

Metal-Microsoft 1790. didentification, use, monocional antibodies, nuclear polyhedrosis virus 2652. immunofluorescence, use, antibiotic sensitivity lesting, bacteria 1605. inoculation, Erwinia chrysanthemi, omamental plants, greenhouses 2229. inoculation, experimental infection, sheath rot, Sarocladium oryzae, Oryza sativa. biosynthesis, antibiotic resistance 5/256.

--Methyl-H-formyl hydrazine,
gyromitrin metabolites, Gyromitra esculenta, mutagenicity, Ames test 6708.

--Methyl-th-O-galectopyranoside,
induction Kluyveromyces lactis β-D-galactosidase biosynthesis 6556.

--Methyl-1-butanol,
biosynthesis, leucine conversion, Saccharomyces cerevisiae, valine effects on,
putroat rangiumaments 4794. 1188.

1188.

Inoculum, effects on Rhizobium+Legurninosae seeds survival 1510.

Insertion, nucleotides, yeasts, mutants 1808.

Isolation, culture, pathogens, Entomophthorales, Insecta 1783.

Isolation, lung 902.

Isolation, glucose isomerase, mycelia, Streptomyces albogniseolus 18.

Isolation, Phytophthora megasperma f.sp.glycinea, association, Pythium contamination 589.

Isolation, separation, Aspergillus terreus territrem 286.

Isolation, separation, Aspergillus faitavus aflatoxins production 1101.

media, eassociation, Aspergillus faitavus aflatoxins production 1101.

media (culture), nutrient requirements, Endothia parasitica 1814.

media (isolation), Trichoderma, soil 2711.

media, 5-fluctorocytosine drug sensitivity testing, Candida, Torulopsis 897.

microorganisms coatings, scanning electron microscopy 1735. nutrient requirements 3724.

Nethyl-2-yorldione, biodegradation, bacteria sewage 2017.
biodegradation, bacteria sewage 2017.
Steptomycas albus, isolation, characterization 1981.

2-(2-Methyl-4-chlorophenoxy)propionic acid, effects on, Poa pratensis sugars, amino acids, Drechslera sorokiniana pathogenesis 5718.

2-Methyl-4-chlorophenoxybutyric acid, soil microorganisms respiration, effect on 5974.

2-Methyl-4-chloroyphenoxy-1,3-dioxane, effects on, microorganisms, membrane permeability, enzymatic activity 7957.

2-O-Methyl-denosine, driven sembrane permeability, enzymatic activity 7957. nutrient requirements 3724

Methylalkenones, reduction, Beauveria sulfurescens 130.
5-(Methylamino)-2-deoxyuridine, analogs, antiviral activity, herpes simplex virus 1, herpes simplex virus 2 5214.
2-(N-Methylamino)-3H-phenoxazin-3-one-8-carboxylic acid, Actinomycos biosynthesis, structure 8337. Mezlocillin, (continued) antibacterial activity, Bacteroides fragilis 7129. antibacterial activity, conferences 6365. antibacterial activity, Centerobacteriaceae 745. antibacterial activity, Escherichia coii, Streptococcus faecalis 739. ambacterial activity, Lescherichia coli, Streptococcus faecalis 739. antibacterial activity, gram-positive bacteria, Haemophilus influenzae 6143. antibacterial activity mechanisms, reviews 6151. antibacterial activity, Pseudomonas aeruginosa 6142. antibacterial activity, Pseudomonas aeruginosa, 6142. antibacterial activity, Pseudomonas aeruginosa, N-acetyl cysteine effects on 5981. formyltetrahydrofolate synthetase interaction, N.M.R., Clostridium cylindrosporum **Methylation** mRNA, S-adenosylhomocysteine, analogs, effects on, vaccinia virus 3349
Methylcrotonoyl-CoA carboxylase,
punification, characterization, Achromobacter 8233,
punification, characterization, Pseudomonas citronellolis 8234. Szeri.
antibiotic sensitivity testing, bacteria 6111.
antibiotic sensitivity testing, gram-negative bacilli 8001.
bactencidal activity, cytology, bacteria 8850,
bactencidal activity, cytology, bacteria 9753.
z cetoperazone, antibacterial activity, gram-negative bacilli, Staphylococcus
aureus 6146. Methylene blue,
use, detection, microorganisms, children blood culture 8140.
Methylene-bls-thiocyanate, ase control, stain, wood, Pinus 5882. disease control, stain, wood, "rinus booz."
Methylenomycin A,
biosynthesis, Streptomyces violacesus-ruber, role, plasmid pSV1 763.
3-Methyfturrylidene-2-thioxo-4-thiazolidones,
antimicrobial activity 7960.
2-(6-Methylheptanoyl)-3-hydroxymethyl-4-butanolide,
induction streptomycin biosynthesis, Streptomyces griseus 5255.
3-thylife-disease. + cefsulodin, antibacterial activity, Pseudomonas aeruginosa, Serratia marcescens 6093. 6093.

+ cephaiosporins, antibacterial activity 6148.

comparison, penicillins, antibacterial activity, gram-negative bacteria, gram-positive bacteria 6141.

+ penicillins antibacterial activity synergism, gram-negative bacteria 7058. sensitivity, bacteria, urinary tract isolates 8813. stability, 3-lactamase 2543.

Miconazole. Methylketone,
production, association, alcohols, Nocardia paraffinica, Brevibactenum,
Pseudomonas fluorescens 7460. ilconazole, antibiotic sensitivity testing, yeasts 2502.

antifungal activity, Candida albicans 1833.
antifungal activity, Curvidaria luntale var. aeria 7939.
antifungal activity, Dematiaceae 7929.
antifungal activity, dematiaceae 7929.
antifungal agents, interaction, antifungal activity 1567.
drug sensitivity testing, Moraxella bovis 5178.
+ imidazole derivatives, antibiotic synergism, antibacterial activity, Staphylococcus, Propionibacterium aenes 5182.
Saccharomyces cerevisiae, effects on sterols biosynthesis 5203.
Ilcra-ID teat: c-N-Methyliysine, levels, flagellin, Proteus morganii 5476. Methylmalonyl-CoA decarboxylase, Veillonella alcalescens, purification, characterization, cell membranes 7347. Methylococcus,

Technologia accusesoris, purification, characterization, cell memora
Methylococcus,

Schenchia coli, Pseudomonas fluorescens 1996

Methylococcus, acellular polymers, polysaccharides, biosynthesis 9189 exitationula por Methylococcus capsulatus, glutamine synthetase, purification, physicochemical properties 6400. 3-haxulose-6-phosphate synthase, purification, characterization 6444. 6-phospho-3-ketohexulose isomerase, purification, characterization 4654. Micro-ID test, Enterobacteriaceae, identification 838. 6-phospho-3-ketohexulose isomerase, purification, characterization 4854.

Methylomonas,
3-hexulose-6-phosphate synthase, purification, characterization 6445.

Methylomonas clara,
single-cell protein production, methanol substrates 3659.

Methylophilus methylotrophus,
amine dehydrogenase, purification, physicochemical properties, substrate
specificity, subunt structure 64.

Methylosinus,
methane monooxygense epoxidation alkenes, formate dehydrogenase role, NADH
generation 6474.

Methylosinus,
methane monooxygense epoxidation alkenes, formate dehydrogenase role, NADH
generation 6474.

Methylosinus,
alkenes, apoxidation, hydroxylation 4761.
blochemical characteristics, books 996.
culture, growth, use, methane, extraction, coal seams 7870.
culture methodology, proteins production, Japan 4502.
hydrocarbons oxidation 5146.
stolation, propagation, single-cell protein production 9288.
metabolism, sewage treatment, technology, books 5450.
methane oxidation, metabolism enzymes 7871.
seme production 360.

2-Methylthio-1,4-nephthoquinone,
2-Methylthio-1,4-nephthoquinone,
3-Methylthio-1,4-nephthoquinone,
3-Methylthio-Microbial contamination, Salmonella entertidis, seafood 2911. water pollution, pollution detection methodology, fecal microflora, membrane filtration 2626. Microbial pollution. Ileroblal pollution, bacteria, sewage, temperature, effects on, rivers 6264. bacteria, wells, ground water 2623. bacteria, wells, ground water 2623. coliforms, indicator species, sewage outfalls 3482. counting methods, wastewater treatment 3466. drinking water, bacteria, indicator species, conferences 5454. drinking water, fecal microflora, hydrogen suffide production detection 3478. enterovirus, surivaia, salien environments 1720. Escherichia colii, poliforms, hydrology, rivers 1724. Escherichia colii, phages, swimming, recreation sites 8970. Escherichia colii, lythro cholerae, counting methods, estuaries, marine environment 6258. Eschericha coli, Vibrio cholerae, counting methods, estuaries, marine environment 62-9.

ground water, indicator species, Salmonella typhimunum, Escherichia coli, Streptococcus faecalis, phage (2, enterovirus 8979, ground water, pollution monitoring, tracers, phages 3479, indicator species, coliforms, Escherichia coli, surface water 1708, indicator species, pedievoli, surface water 1805.

Klebsiella pneumoniae survival, pulp mills, industrial effluents, lakes 1715, marine pollution, measuring techniques, indicator species, Pelecypoda 8976, mathematical models, coastal waters, estuaries 9813, pollution levels, sewage effluents 1712, pollution monitoring, methodology, surface water, Salmonella 8117.

Salmonella, alkes 1723, sewage effluents, coliforms, sea water 3481, streams, environmental impact, cattle, grazing, USA, Colorado 8973. Metloprim

Iffonamides, antibacterial activity, anaerobic bacteria 3320. Metiram, antifungal activity, fungi, soil isolates 2286. Metronidazole,

antibacterial activity 2431.

antibacterial activity 2431.
antibacterial activity, anaerobic bacteria 5174.
antibacterial activity, anaerobic bacteria 5174.
antibacterial activity, Bacteroides, Escherichia coli, mixed culture 7999.
antibacterial activity, Bacteroides fragilis 8811.
antibacterial activity, Bacteroides fragilis, Escherichia coli, pure culture, mixed culture 2447.
antibacterial activity, Trichomonas vaginalis, association, antagonism, acetic acid, lactic acid 7090.
Bacteroides fragilis antibiotic sensitivity testing 7130.
Campylobacter fetus subsp.jejuni drug sensitivity testing 4292.
Companison, cefmenoxime, cefotetan, N-formimidoyl thienamyorin, anaerobic bacteria susceptibility, 5194.
drug resistance, Clostridium perfringens mutants 3294.
drug sensitivity testing, bacteroides 6043.
effects on, Bacteroides, growth 6100.
+spiramyorin tablets, antibacterial activity, oral cavity Isolates 8864.
susceptibility, Bacteroides fragilis, relationship, pyruvate dehydrogenase activity 7081.
Metroideros collina subsp.polymorphe, infection, Pyrenomycetes new records, pathogenicity 4147.
Metvaloric acid, metabolism, menaquinones, carotenoids biosynthesis, Micrococcus luteus membranes

metabolism, menaquinones, carotenoids biosynthesis, Micrococcus luteus membranes

2839

coffea. Hemileia vastatrix rust 5682.

food, Enterobacteriaceae incidence 7594. overwintering, Puccinia graminis f.sp.tritici races, stem rust, Triticum aestivum

4961.
Pruccinia graminis f.sp. avenae, stem rust, Avena sativa 4962. sewage, rungi analysis 8953. sezocilim, antibacterial activity 6149. antibacterial activity 6149. antibacterial activity, Bacteroides 748.

sewage effluents, coliforms, sea water 3481.
streams, environmental impact, cattle, grazing, USA, Colorado 8973.
water pollution, feces, Brazil 8971.
water pollution, pollution detection, enterovirus, Perna canaliculus 3516.
water, quality control 4452.
water-borne diseases, epidemics, indicator species, water supplies, books 9999.
wells, Ivory Coast 3486.
wells, public health, man, coliforms, Nigeria 8067.
Yersinia enterocolitica, surface water, sediments 2627.

Microbiology, microbiology, conferences 909.
immobilized enzymes methodology 7391.
laboratores, methodology, books 9091.
Penicillium, biomass, uranium, pH 8969.
waste water, disinfection, methodology, bibliographies 1698.
Microcin 15n

zymes inhibition activity, Escherichia coli 6235.

Micrococcaceee, clinical isolates, biochemical characteristics, antibiotics sensitivity 8827. enterotoxins biosynthesis 3886. Micrococcal endonuclease, Staphylococcus aureus biosynthesis, carbon dioxide effects on 9182.

Micrococcus, s antibacterial activity, dimethyl sulfoxide ± antibacterial agents 7919.

antibacterial activity, dimethyl sulfoxide± antibacterial agents 7919.
bacteria growth, association carbon 8069.
distribution, feeds, radiation disinfection 7605.
enterotoxins biosynthesis 3886.
fermentation, Pentaclethra macrophylla seeds 6675.
tood contamination, beef, pork, temperature effects on 241.
tood contamination, luncheon meat, factors affecting spoilage 2029.
food contamination, inpening, salami 2030.
histidine decarboxylase, kneitics 4684,
histidine decarboxylase, N-bromosuccinimide chemical modification tryptophan
residues 26.

residues 24. identification, latex agglutination methodology 7235. isolation, poultry, radioresistance, environmental effects 202

Microorganiams, activated carbon, removal, organic compounds, water 6255. activity, soil buchemical characteristics, grasses cover, slope exposure, erosion relationship 7826. aging, metaborship 7826. aging, metaborship 7826. alixylbenzene sulforates biodegradation, association, aromatic compounds 1997. anaerobic respiration, wastewater treatment 5311. anaerobic respiration, wastewater treatment 5311. anaerobic respiration, wastewater treatment, whey use 5325. animal wastes fermentation, methane gas production, antibiotics effects on 1039. antibiotics biosynthesis, screening, books 2727. antigens, detection, enzyme-linked immunosorbent assay methodology 7216. antigens, enzyme-linked immunosorbent assay + electrophorasis 6285. association biodegradation, animal wastes waste treatment 2616. batch culture, antibiotics biosynthesis 716. batch culture, antibiotics biosynthesis 716. batch culture, antibiotics biosynthesis 716. batch culture, antibiotics mathematical models 9831. biodegradation, aphidicolin 4752. biodegradation, aphidicolin 4752. biodegradation, aphidicolin 4752. biodegradation, polycols, industrial pollution, measuring techniques 5577. biodegradation, polycols, industrial pollution, measuring techniques 5575. biodegradation, production, fatly acids, antifungal activity, Calluna vulgans heatis, suit, seasonal variations 5930. biodegradation, espiration, radioactive labelling 3509. biodegradation, espiration, radioactive labelling 3509. biodegradation, wheat gluten, storage conditions 2915. biodegradation, wheat gluten, storage conditions 2915. biodegradation, disconstitution, control pathogenicity, animals 4711, biological control, jethodes 5546. biological control, jethodes 5546. biological control, jethodes 5457. biological control, jethodes 5457. biological control, jethodes 5457. biological control, jethodes 5546. biological control, jethodes 5450. biological c Micrococcus, (continued)
lactic acid biosynthesis 8206
lactic acid termentation, vegetables 5607.
mastris, disease control, quaternary ammonium compounds, teat dips, antibacterial activity, cattle 1728.
medical dressings contamination 8073.
milk contamination, udder microflora, sanitation, cattle 5399.
Micrococcus glutamicus, glutamine synthetase, kinetics, cations effects on 6511.
hysine production 5465. Microorganisms. rysine production 3443.

Micrococcus Lifetus, antibacterial activity, Chromobacterium violaceum antibiotic Y-T0678H 9768. antibacterial activity, shikonin-β,β-dimethylacrylate, Alkanna hrisutssima 7081. antibacterial activity, shirkohirh, p-dinietriylaci yalet, Alkahira hirsutsisma 7081:

antibacterial activity, synthetic gratisin 8884 antibiotic sensitivity testing, antimicrobial adjents 5233. antimicrobial adjentivity, alkylpyndhium loddied 1587. bioassays indicativity, alkylpyndhium loddied 1587. bioassays indicativity, alkylpyndhium loddied 1587. bioassays indicativity, alkylpyndhium loddied 1587. do antibioassay indicativity of the synthetic acids interaction, effects on lysozyme activity 590. fatty acid composition, antibiotic AL 37 effects on 8895. biosi-parasite interactions, Myxobacter, survival, soil 9569. lysis, albumin lysozyme antibioacterial activity 7052. membranes, menaquinones, carotenoids biosynthesis 2899. neomycin antibiacterial activity standardization 8855. protoplasts, gramicidin 5 lysis 2577.

Micrococcus yarodekticus, protoplasts, gramicidin 5 lysis 2577.

Micrococcus varlans, validing chloride, eggs effects on 4848.

Micrococcus varlans, valine production, lydrocarbons utilization, carbon sources, vitamins effects on valine production, lydrocarbons utilization, carbon sources, vitamins effects on valine production, hydrocarbons utilization, carbon sources, vitamins effects on 7286. viability, freezing, freeze drying 8116. Microcosms, measuring techniques, soil microorganisms, respiration, nutrient loss 571. measuring lechniques, soil microorganisms, respiration, nutrient loss 571.

Microoyclus,
bacteria growth, association carbon 8069.

Microdochlum bolleyh,
root rol, Avena sativa 4959.

Microeliobasporia grisea,
polysaccharides, preparation, characterization, antitumor activity 8346.

Microeliobasporia grisea,
antitumor agents, polysaccharides, carbohydrate composition 6587.
polysaccharides, antitumor activity 4707.
polysaccharides, carbohydrate composition, antitumor activity, Ehrlich ascites
tumor 6586.

Microenvironments. assays 4466. biomass measurement, relationship, carbon dioxide release, soil 1969. biomass soxidation, measuring letchniques, use, potassium dichromate 6287. biomass, soil removal, pasture restoration effects on 3182. biomass, straw composts, association, Agaircus bisporus nutrition 2923. biomass, illage, effects on, soil properties, carbon, nitrogen, mineralization biomass wastes, quantification, radium adsorption 9828, bioreactors, books 5446. Microenvironments, aerobic conditions, media (isolation), Campylobacter, methodology 9979 aquabic environment, xenobiotics biodegradation, microorganisms 4762. aerobic conditions, media (isolation), Campylobacter, methodology 9979, aquate environment, xenobiotics biodegradation, microorganisms 4762.

Microflora, association, composts cattle manure 8061, bacteria, oil deposits, flooding effects on activity 627, bacteria, vegetables sprouts 8473, beef fats, chemical composition 7573.

conalburnii arribacterial activity 5181, evolution, compositing solid wastes, urban environments, biological activity effects on 6942, consideration of 6942, and of 6942, consideration of 6943, consideration of 6944, consid aminogycused antibolics production, metal selective) + gentamicin screening 6107.

dedesosaminyt-5-O-mycaminosyl-10,11-dihydromycinamicin biosynthesis, characterization 2580, gentamicin biosynthesis association inoculum quality 6159. protoplasts, preparation, methodology 6322.

Micromonospora chalces, tetrocarcin biosynthesis, 2572. tetrocarcin biosynthesis, 2572. tetrocarcin biosynthesis, structure, antibacterial activity, gram-positive bacteria 1671.

Micromonospora griseorubida, mycinolide IV, stereochemistry, X-ray crystallography 1652.

Micromonospora inyoensis, sisomycin biosynthesis, p1 effects on 6229.

Micromonospora polytrota, mutants, 20-deoxo-20-dihydro-12, 13-deepoxy-12,13-dehydrorosaranolide conversion 8908. teeding patterns effects on glucose metabolism, relationship activated st 6247.

feeds contamination, quality control 4862.
fermentation, factors affecting, reviews 1986.
films, factors affecting formation 1707.
food contamination, cold storage 242.
food contamination, counting methods 484.
food contamination, counting methods 484.
food contamination, counting methods 486.
food contamination, effects on rice composition 7588.
food contamination, effects on rice composition 7588.
food contamination, metal production 199.
food contamination, meat, enumeration methodology 3613.
food contamination, meat products quality control 7566.
food contamination, meat products quality control 7566.
food contamination, meat, sampling methodology 9066.
food contamination, meat, sampling methodology 9066.
food contamination, meat, sewage sludge feeding regimes, cattle 4803.
food poisoning, isolation, identification, books 8186.
fragrances, characterization, production 4718.
fuels biodegradation 5990.
genetic engineering, fermentation, reviews 6585. 8908.

Micromonospora rosaria,
mutagenesis methodology, protoplasts, mycelia fragments 9075.
rosamicin biosynthesis, media (culture) 2726.

Micromonospora sagamiensis,
mutants, gentiamicin, sagamicin, biosynthesis, cobalt, regulation 6195.

Micromonospora verruculosa,
antibiotic M-92 isolation, antibacterial activity, Staphylococcus aureus 6194. antibiotic M-92, antibacterial activity, antitumor activity 3428. antibiotic M-92 biosynthesis 3426. antibiotic M-92, physicochemical properties 3427. Micronutrients,
Cucumis melo, cucumber mosaic virus± Sphaerotheca fuliginea, infection, effects on 3076

```
Microorganiams, (continued)
genetic engineering, products biosynthesis, books 8175.
growth, association, polymers solutions, use, pharmaceuticals coatings 5345.
growth, conditions, olives oil cake biodegradation 4746.
growth, products yields, aerobic conditions 9103.
growth, wine storage, atmospheric conditions 4977.
heat balance, in vitro, claorimetry-fermenters measuring techniques 7215.
heat disinfection, models 4461.
immobilized cells, oxygen supply, hemoglobin, fluorine organic compounds 6286.
immobilized cells, production, hydrogen, ammonia, reviews 6607.
inactivation, food spollage rates, incubation temperature effects on 2926.
industrial wastes digestion (anaerobic), methanogenesis, reviews 7196
infection, plants, 2-chlorethylphosphonic acid effects on pathogenicity 319
isolation, drugs 6086.
kaolinite binding, methodology, bioreactors 5357.
leal litter decomposition, nutrient dynamics, calcium oxalate occurrence,
forests, Eucalybtus diversicolor 4136.
lignocellulose biodegradation 3800.
lysis, proteinase, glucanase 1917.
lytic enzymes analysis 7369.
media (culture), gases solubility, reviews 8082.
membrane permeability, enzymatic activity, haloidalkylmalonic esters, alkyl
phenoxypropandioles, 2-methyl-5-alkyl-5-phenoxy-1,3-dioxane, effects on 7957.
membranes lipids, relationship soil sediments 5104.
metabolism, hydrocarbons, aromatic compounds, estuares sediments 5145.
milk biodegradation, 300, il 63.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Microsphaera diffusa,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               powdery mildew, Glycine max, USA, Delaware 4934. Microsporon canis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             antifungal activity, pentachloronitrobenzene metabolites 8789.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Microsporum,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           incidence, soil, Germany, Fed. Rep. 3185. isolation, floors, education institutions 8983.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Microsporum canis,
proteinase, purification, characterization, keratin degradation 7367.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Microthyrium,
decomposition, leaf litter, Abies alba 2301.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Microthyrium eucalypti,
leafspot, Eucalyptus, New Zealand 7706.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Microwave oven,
use, temperature jump studies, bacteria gene amplification 9892.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cooking, beet, bacteria survival 210.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Counting, Deer, Jouenna Survival and Microwave readlation, 
inactivation, Bacillus globigu spores, aerosols 9706, 
sterilization, culture systems plastics, bacteria 708. 
use, decontamination, Salmonella senftenberg, corn soybean milk 3839.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Midecamycin,
antibacterial activity, new records 8893.
conversion, neotsomidecamycin 4414.
+polymyxin B, +carbenicillin, +dibekacin, +fosfomycin, antibiotic synergism,
antibacterial activity, Pseudomonas aeruginosa 1669.
               metabolites, soil pollutants, phytotoxicity, Cucumis sativa 4193.
microbiology, books 8184.
milk biodegradation, soil 163.
mineralization, 3,4-dichloroaniline+humic acids, complex 4745.
mucus, fixation methodology 3514.
Myllus edulis, biodegradation, metabolites, sterois 7554.
NADH dehydrogenase analysis, NADH oxidation complexes immobilization 8317.
nitrous oxide biosynthesis 1968.
nitrous oxide biosynthesis 1968.
nutient solution contamination, intravenous administration 5333.
oli biodegradation 5147.
gyspen unlake measurement methodology, activated sludge 5359.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bombyx mori larvae, cells, Bacillus thuringiensis toxins pathogenesis 3738. histopathology, toxins, Bacillus sphaericus, Culicidae 1022.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Milbemycin J,
Streptomyces hygroscopicus subsp.aureolacrimosus, biosynthesis, physicochemical properties 8901.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             properties 8901.

Milbemyclin K,
Streptomyces hygroscopicus subsp.aureolacrimosus, biosynthesis, physicochemical properties 8901.

Milbemyclins,
biosynthesis, Streptomyces, characterization 6217.
biosynthesis, Streptomyces hygroscopicus subsp.aureolacrimosus 9787.

Streptomyces hygroscopicus subsp.aureolacrimosus, biosynthesis, isolation,
Physicochemical properties 8900.

X-ray crystallography, structure 9792.
              oit biodegradation 5147.

oxygen uptake measurement methodology, activated sludge 5359.
pathogens, biological control, Mollusca 1011.
pathogens, biological control, weed control, books 6183.
pathogens, immunoassays detection, Insecta 1736.
peat biodegradation 2877.
phenanthrene metabolism, replica plating, detection, enumeration 3577.
phosphates solubilization, relationship, soil phosphates content 4195.
pistachios contamination, ice cream production, association, radiation treatment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             X-ray crystallography, structure 9792.
Mildew,
disease control, nitrogen fertilizers, fungicides, Hordeum vulgare 5838.
Erysiphe graminis, disease resistance, relationship, cytokinins levels, grain,
Tricum aestivum, Hordeum vulgare 2249.
+ frost disease resistance, Vitis vinifera, nitrogen metabolism 7688.
Military personnel,
oral hygiene, relationship oral diseases, Greece 8080.
Milk,
                              4838
                 plant debris biodegradation, acids effects on, lakes, polar environments 1995.
                 pollutants biodegradation, seasonal variations, water salinity effects on aquatic environment 2876
            aquatic environment 2876
polysaccharides activity, bioreactors, mathematical models 1064.
populations, South Africa Rep., plains 4217.
post-harvest decay, barley, storage, long-term effects 1321.
production lysine+wheat flour, nutritive value, rats 5632.
reactivation, association, heat treatments, steniization 2499.
relationship soil, mountains, USSR 7827.
relationship, wastewater treatment 5330.
respiration, models, oxygen electrodes 9007.
rocks habitat, ecophysiology, Antarctica 9549.
Saccharum officinarum fermentation, post-harvest decay 439.
Saccharum officinarum fermentation, post-harvest decay 439.
Secondary metabolism, antibiotics, extracellular enzymes, books 3636.
selection, use antibiotics 8805.
siderophores detection, electrophoreais methodology 8090.
single-cell protein, rutrient sources, dogs 3851.
single-cell protein production, petroleum use 2930.
soaps contamination 2641.
soil isolates, lighins biodegradation, anaerobic conditions, Egypt, Arab Rep. 8428.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          aflatoxin M1, inactivation, hydrogen peroxide, ± riboflavin, ± peroxidase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    affatoxin M1, inactivation, hydrogen peroxide, ± ribollavin, ± peroxidase 285.
affatoxin M1, thermal stability, pH stability 8505.
affatoxin M1, toxicity, bioassays 3877.
affatoxin M1, toxicity, bioassays 3877.
affatoxins contamination, reviews 283.
antibiotics levels, inhibition starter cultures, cheese 8482.
antibiotics residues, identification methodology 8474.
association infectious diseases, man 9275.
bacteria contamination, food quality, storage 4837.
bacteria contamination, on diliking machines 4823.
bacteria contamination, quality control 4834.
bacteria contamination, quality control 4834.
bacteria contamination, quality control 4834.
bacteria contamination, teats washing effects on, cattle 5350.
bacteria, contamination, teats washing effects on, cattle 5350.
bacteria, food contamination, conferences 5458.
bacteria growth, refrigeration, storage 4825.
bacteria, apoliage, pasteurization, diffavor 2913.
biodegradation, microorganisms, soil 185.
bidfaloses, contamination, psychortocphic bacteria, spore-forming bacteria 7578.
Campylobacter fetus subsp.jejuni, survival, temperature
Campylobacter fetus subsp.jejuni, contamination 4787.
soil isolates, ignine biologication, enservoire conditions, Egypt, Arab Nep. 8428.

steroids biosynthesis, utilization, technology 4698.

storage, preservation, culture collections 5383.

strains combination cultivation, enzymes, antibiotics, biosynthesis improvements, reviews 6548.

succession, leaf litter decay, polar environments, lakes 1061.

sulfur oxidation, sind wastes 3471.

taxonomy (numerical), computer programs, proteins electrophoresis 8091.

transformation, nitroaromatic compounds, sewage 5288.

use, agricultural practices, books 8174.

use, hydroxylation, steroids, reviews 7218.

use, wastewater treatment 8988.

wastewater treatment 8988.

wastewater treatment inciding filters 5295.

water, pollution, ecology 1714.

xenoblotics biodegradation, factors affecting 3788.

xenoblotics biodegradation, factors affecting 3788.

xenoblotics biodegradation, factors affecting 3788.

xenoblotics proversion, eosystem dynamics 6981.

Micropotypapora feeni, factors affecting, barley storage 7724.

Microscopy,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        effects on 189.
Campylobacter fetus subsp.jejuni, contamination 4787.
Campylobacter fetus subsp.jejuni flood contamination, man, enteritis 1078.
Campylobacter fetus subsp.jejuni finodence, solation methodology 8131.
cheddar cheese starter cultures, contamination, phages 4804.
Clostridium biodeterioration 6666.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Clostration blooderenoration coeto-
clostration separation, centrifugation 8480.
cold storage, bacteria contamination, growth 4827.
cold storage, dissolved oxygen, growth, psychrotrophic bacteria 239.
+colostrum, lactic acid bacteria, fermentation, food sources, juveniles, cattle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    7599
comparison methodology assays psychrotrophic bacteria 1073.
comtamination, anaerobic bacteria, spores 4829.
contamination, bacteria, pathogens 4818.
contamination, bacteria, pathogens 4818.
contamination, bacteria, sentation, milking machines 5341.
contamination, bacteria, sanitation, milking machines 5341.
contamination, sanitation, udder microflora, cattle 6339.
contamination sources, spore-forming bacteria 4812.
contamination sources, spore-forming bacteria 4812.
contamination, udder microflora, cattle 4820.
dairies, storage, bacteria, contamination, growth 4832.
detection, tetracyclines 4393.
enterotoxins production, Escherichia coli, Yersinia enterocolitica 1111.
fermentation effects on vitamins 4854.
flavor, Lactobacillus, activity, theonine aldolase, alcohol dehydrogenase,
effects on 7587.
flora, Escherichia coli, Pseudomonas fluorescens, β-casein biodegradation
disease comor, natura anomagnetic disease comor, natural disease comor, natural disease diseas
            hyphae 3625.
fruits, nuts, spoilage, bibliographies 5034.
pathogenicity, Hordeum vulgare powdery mildew 6775.
urine, detection, bacteriuria, man 2695.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      flora, Escherichia coli, Pseudomonas fluorescens, β-casein biodegradation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2020.

food contamination, Campylobacter fetus subsp. fetus, most probable number 231. food contamination, Pseudomonas aeruginosa, pH effects on 4795. food contamination, psychrotrophic bacteriar, reviews 226. gel chromatography, defection, aflatoxin M1 5642. goals, fermentation, staffer cultures 9268. gram-negative bacteria food contamination, Limulus lysate test use detection food quality 848.
Microsomes, cytochrome P-450, NADPH-cytochrome reductase, fractionation, Rhizopus nigricans
oveco.

ytochrome P-450, purification, characterization, Candida tropicalis 2750.

Microspheera ainli,
Platanus racemosa, leaves lesions, measuring techniques, computer applications.
```

video image analysis 4924.

quality 8484. heat treatments effects on Streptococcus lactis 8470.

Milk, (continued)
heat treatments, effects on, Streptococcus thermophilus, Lactobacillus

acidophilus 6664. Isolates, antibiotic resistance, Escherichia coli 4779.

solation, bacteria 3826. β-lactam antibiotics, bioassays, Bacillus stearothermophilus 720. β-lactam antibiotics, bioassays, Bacillus stearothermophilus 721.

acid bacteria, isolation, identification, aromatic compounds production

Lactobacillus acidophilus, lactose digestion, intestinal microflora, man 7581. Lactobacillus bulgaricus, Lactobacillus casei, y radiation induction mutants, acid production, proteolytic enzymes activity 8200, pasteurization, contamination, bacteria 8500. Pasteurization, Campylobacter fetus subsp. jejuni, heat sensitivity 2060. pasteurization, chemical analysis, bacteria 191; pasteurization, psychrotrophic bacteria, lipase inactivation 263. penicillin assays 4652. production, bacteria fermentation, effects on proteins 4805. proteins, Lactobacillus bulgaricus proteinase effects on 4796. Pseudomonas fluorescens, growth, proteinysis 4828. Pseudomonas fluorescens proteinase effects on 8310. Pseudomonas fluorescens proteinase effects on 8310. Pseudomonas growth, refrigeration, storage 4830. Psychrotrophic bacteria growth, inhibition, potassium sorbate+Lactobacillus lactis 7579.

lactis 7579.

spychotrophic microorganisms analysis 6665.
relationship, yoghurt starter cultures, Streptococcus thermophilus, Lactobacillus bulgancus 3848.
role, disease transmission, reviews 211.
samples, enumeration, foot-and-mouth disease, cattle 4767.
sheep, antibiotics excretion effects on yogurt production 4871.
spoilage, bacteria, off flavor 183.
spoilage, bacteria, proteinase, off flavor 4815.
spraying, drying, indicator species, food contamination 4875.
standards, bacteria contamination 4824.
Stanbildenocies aureus enferotioxins, enzyme-linked immunosorbent assay 1105.

Staphylococcus aureus enterotoxins, enzyme-linked immunosorbent assay 1109. Staphylococcus aureus, enterotoxins production, deoxyribonuclease production

Staphylococcus aureus isolates, enterotoxins toxigenicity 6716. steniization, y radiation 8496. storage, psychrotrophic bacteria growth 9273. substitutes, feeding, juveniies cattle, Escherichia coli isolation, antibiotic sensitivity testing 6742. trace elements, activity relationship, propionic acid bacteria, lactic acid bacteria 8477.

bacteria 8477. uttrafitiration, bacteria, inorganic compounds membranes 4782. uttrahigh temperature pasteurization, bacteria centrifugation, organoleptic properties 2933. uttrahigh temperature, pasteurization, limulus lysate test, detection, bacteria

untraingn temperature, pasteurization, ilmulus ysate test, detection, bacteria 201
Milk production, contamination, microorganisms, Poland 4785.
Milk production, contamination, reviews 283.
aflatoxins contamination, reviews 283.
aflatoxins contamination, reviews 283.
Aspergilius aflatoxin Mi detection, high-performance liquid chromatography 7614.
Clostridium biodetenrosturio 6666.
counting methods, yeasts, fungi, media (isolation) 4530.
fermentation effects on lactose 4855.
food contamination, standards, counting methods, methodology 3805.
frozen food, India, bacteriology quality 6679.
India, Staphylococcus food contamination, incidence 2058.
isolation, Streptococcus group D, deoxyribonuclease activity 2919.
media methodology, Streptococcus lactic acid fermentation 4266.
membranes ultrafiltration, bacteria, hygiene 4791.
polyethylene packaging, oxygen permeability, spoliage, yeasts, fungi 4884.
production, bacteria fementation effects on proteins 4805.
psychotrophic nicroorganisms analysis 6665.

Milk-clotting enzymes, Milk-clotting enzymes, Bacillus licheniformis, biosynthesis, characterization, immobilization 4613. casein proteolysis, Mucor racemosus 7357. purfication, characterization, lupox lacteus 6521, purfication, characterization, ducor racemosus 7358.

Milking machines, bacteria contamination, milk 4823.

pacteria contamination, milk 4923.
cleaning systems, water disinfection, bacteria contamination 5342.
contamination sources, spore-forming bacteria, milk 4812.
hygiene, bacteria enumeration, direct epifluorescent filter technique 6270.
sanitation, cleaning systems, detergents 2632.
sanitation, milk, contamination, bacteria 5341.

Mimose cleauseenil.
mycorphizas, characterization 5809.

mycorrhizas, characterization 5899.

Minced meat, beef, food contamination, Alteromonas putrefaciens, Pseudomonas putrefaciens

3941. tood contamination, Campylobacter fetus subsp.jejuni, media (selective) 1071. + soybeans proteins, spoilage, bacteria, temperature effects on 228. Mineral oil,

disease control, plant viruses 5813.

Mineral water,
bottles, contamination, bacteria 2027.

aromatic compounds, bacteria, lakes, sewage 2008.
bogs, nutrient levels, peat, nitrogen, particle size, soil microorganisms 8697.
carbon dioxide, formation, 24-FD, degradation, bacteria, soil 5909.
carbon, nitrogen, tillage, effects on, soil properties, microorganisms, biomass
2359.

2359.
3.4-dichloroaniline+humic acids, complex, microorganisms 4745.
ntrata, soit microorganisms, agricultural practices 8684.
ntrogen cycle, agricultural ecosystems, Oryza sativa 3224.
nitrogen cycle, nutrient dynamics, plantations, Theobroma cacao 3222.
nitrogen, forests, disturbance, nutrient dynamics 6901.
nitrogen, forests soil 523.

nitrogen, fungi, forests nitrogen cycle 514.

Mineralization, (continued) ntrogen. Pseudomonas cepacia, grazing, association, Mesodiplogaster. Acanthamoeba polyphaga, effects on 614, ntrogen, sewage siludje land disposal, salinity effects on 8955, ntrogen, soil acdification, forests, mathematical models 4138, ntrogen, soil acdification, forests, mathematical models 4138.

nitrogen, soil acidification, forests, mathematical models 4138.
nitrogen, soil, Fagus forests, association, nitrifying bacteria, ammonifying
bacteria, seasonal variations 4137.
nitrogen, soil properties, forests 6895.
nitrogen, soil treatment, mycella, organic matter 5949.
organic compounds, bacteria, freshwater environments, sewage 2012.
phenmedipham, soil pH effects on 5928.
phosphatidyl choline, soil microorganisms, enzymatic activity, nutrient sources,
plants 5915.

piants 5915.
phosphorus, oil shales, Pseudomonas, Rhabditts 556.
phosphorus, soil properties, Iorests, measuring techniques 521.
soil microorganisms, agnoutlural practices, crop fields, Trifolium 8680.
soil properties, soil microorganisms 8667.
sulfur, nitrogen, soil microorganisms, nuthrent cycles, soil 6996.
sulfur, sulfoquinovose, soil microorganisms, soil, forests, USA, North Carolina 600. 6904

Minerals,

decomposition, Aspergillus niger 8454.
oils sprays, use, control, disease spread, potato virus Y infection, Solanum tuberosum 1243.

soil, association, Tsuga heterophylla, ectomycorrhizas symbiosis, relationship, survival 3164. uptake, Zea mays, rhizosphere microorganisms effects on 4190.

Mines, coal, bacteria, methane oxidation 4265. coal, land reclamation, seedlings, inoculation, fertilizers slurries+Rhizobium coal, land reclamation, seedlings, inoculation, fertilizers slurries+Rhizobium

coal, reclaimed land, iron-oxidizing bacteria, vertical distribution levels 9561. 5914

coal, wood supports, brown rot, white rot 6934

botal, wood supports, strown ob, while for organizers to the dramage, effects on, lakes, bacteria, community structure 8068, dramage, iron II oxidation, acidophilic iron-oxidazing bacteria 1515. Italiand reclamation, eclomycorrhizas effects on revegetation, Plans taeda 2305, land reclamation, endomycorrhizas spores abundance, thizosphere, trees 9541, land reclamation, Phaseolius vulgans induction, Planscolla, introgen

fixation 5108. Iland reclamation, Pinus taeda, mycorrhizas, soil amendment, revegetation 2302. Iland reclamation, revegetation, soil amendment, vesicular-arbuscular mycorrhizas colonization roots, Agropyron trachycaulum 9542. revegetation, mycorrhizas innoculation, Conferales 519. soil ph, growth, nodulation, Alnus glutinosa 555. soil ph, growth, nodulation, Alnus glutinosa 555. soil-soil amendment, Agropyron trachycaulum, vesicular-arbuscular mycorrhizas symbiosis 4203. USA, forest products, Basidiomycetes biodegradation 7792. waste water, rivers contamination, temperature effects on bacteria iron oxidation 5134.

Minicells. Escherichia coli, isolation, purification, filtration, methodology 9888.

Escherichia com, Mining, ores, bacteria, leaching 5135.

Minitek test, identification, clinical isolates, non-fermentative gram-negative bacteria, oxidase-positive bacteria 9019. identification, Lactobacillus 9051.

Stanfyllogoccus aureus clinical isolates 3288. antibiotic resistance, Staphylococcus aureus clinical isolates 3288, comparison, tetracycline, transport, relationship, susceptibility, Escherichia coli 1635.

coil 1635.

comparison, thiacycline, antibacterial activity 1637.

Mycobacterium antibiotic sensitivity testing 7996.

Mycobacterium tuberculosis, antitubercular agents 8898.

Miromonospora griseorubida,

mycinamicins, components, physicochemical properties 6204

Misonidazole, m-AMSA, effects on radiosensitization, toxicity, Escherichia coli 666;

m-AMSA, affects on radiosensitization, toxicity, Eschenchia coli 666. Mitochondria, adenosinetriphosphatase stabilization proteins, amino acid sequence, yeasts 8274. adenosinetriphosphatase, Tolypocladium inflatum ehapeptin inhibition 5. coupling factor 1, purfication, 5°-p-fluorosulfonylbenzoyl adenosine chemical modification, Saccharomyces cerevisiae 943. isolation, Neurospora, mycelia breakage methodology 4536. membrane structure, antifungal activity, demosan 1416. mutants, Saccharomyces cerevisiae, ethanol production 8409. proteolipids, purification, characterization, yeasts 913. Pseudomonas syringae pv.syringae, syringomycin, synngotoxin, effects on, Zea mays 2966.

Pseudomonas syringae pv.syringae, syringomycin, syringotoxin, effects on, Zea mays 2966 respiration uncouplers, antifungal activity, tioxaprofen, Trichophyton mentagrophytes, Trichophyton rubrum 6786.

Saccharomyces cerevisiae, mutants, ethanol production, aerobic conditions 3749. uncouplers, leucinostatin B, stereochemistry 9777. yeasts, isolation methodology 817, stereochemistry 9777. yeasts, isolation methodology 817, stereochemistry 9776. Zea mays, proteins electrophoresis, disease resistance, Helminthosporium maydis 616.

Mitoglillin, N-terminus amino acid sequence, homology α -sarcin, restrictocin, Aspergillus 114.

Mitomycin C, bacteriocins biosynthesis induction, Erwinia 760.

Mitosis, roots, Sorghum vulgare seedlings, Periconia circinata phytotoxins effects on

Mixed culture Bacteroides fragilis, Escherichia coli, metronidazole antibacterial activity 2447.

Lungi, protein biosynthesis, whiskey distilleries wastes 15.
Hydrodictyon rehiculatum+ Tetraselmis, environmental conditions effects on fermentation 2856.
Lactobacillus, Propionibacterium, growth 2917.
Pseudomonas pulida- Alcaligenee eutrophus, arsenic oxidation 2383.

Mizonazole

Candida plasma membranes, effects on potassium release 6061.

sewage treatment, films, activated sludge 8949. sewage treatment, films, activated sludge, microorganisms distribution 8948.

enzymatic, aminoglycoside antibiotics, association, antibiotic resistance, Pseudomonas aeruginosa, Enterobacteriaceae 640.

Moenomycin A,

structure, analogs 8912. Moisture,

effects on blueberries post-harvest decay, Alternaria, Botrytis 5032. Molasses,

effects on Brevibacterium growth, lysins biosynthesis 7643.

effects on Brevibacterium growth, hysins biosynthesis 7643. fermentation, Saccharomyces cerevisiae 1991.

† glucose, carbon sources, Saccharomyces cerevisiae production 3806. industrial effluents, wastewater treatment, digestion (anaerobic) 4445.

± liquids Streptomyces solubles, digestibility, cattle 4867. nutrient sources, Candida, single-cell protein production 5528. Saccharum officinarum, ethanol fermentation yeasts, technology 142. Saccharum officinarum, yeasts, oxygen tension effects on ethanol fermentation.

solution, Aspergillus niger fermentation, citric acid biosynthesis 5475. Mold.

food contamination, effects on rice composition 7588.

antifungal agents effects on Nicotiana tabacum microflora 496. aantifungal agents effects on Nicotiana tabacum microflora 496. as food contamination, fruits products, counting methods 4775. grains, nutritive value, chickens 3652. media (selective), quality control 7212.

media (selective), quality control (212.

Molocular weight,
pyrtivate dehydrogenase multienzyme complexes subunits, comparison Saccharomyces

Carlsbergensis, Saccharomyces cerevisiae 52.

trostin 6211.

Monooxygenase,

Monomycin,
antibotic resistance, Pseudomonas aeruginosa 7023.
Salmonella clinical isolates, antibiotic sensitivity testing 6110.

Monooxygenase,

wheat mosaic virus, structural proteins 2117

lolinate, biodegradation, pathway, soil types, flooded soils 5886. lollicutes,

biosynthesis, ATP, AMP, ADP 9220. X disease, Colladonus montanus disease transmission, Prunus 4973.

Mollusca,

biological control, pathogens, microorganisms 1011.

Moloney leukemia virus,
virions, infection, cells, interferon, antiviral activity, biochemical analysis

698

Moloney sarcome virus, transformed cells, fibroblasts, interferon inhibition growth 3369. Molybdenum,

toryoænum, containing formate dehydrogenase (NADP*), purification, activity, C.D., E.S.R., absorption spectroscopy, Clostridium thermoacetroum 8280. levels, nitrogenase cofactors, Clostridium pasteurianum 4593. nitrogen fixation enhancement, Azotobacter vinelandii 3211.

ntrogen mation ennancement, Azotooacter vinelandii 3211.

Momordica belsamina,
sour chemy necrotic ring spot virus infection 2144.

Momordica charantta,
wilt, pathogenicity, Fusarium oxysporum f.sp.momordicae 3093.

Muscor hiemalis hydroxylation 7552.

Muscor hiemalis hydroxylation 7552.

Monazomycin,

ochemical properties, Streptoverticillium, taxonomic significance 7163. Monensin.

antiviral activity, herpes simplex virus 1 infected cells 7943.

attevital activity, impres simplex vitus i impressionate della significant biosynthesis, nutrient requirements, valime, isoleucine, Streptomyces cinnamonensis 8016. biosynthesis, plasmid pSM1 role, Streptomyces cinnamonensis 2744 effects on rumen microorganisms cellulose biodegradation 9260.

Monensin A.

Streptomyces cinnamonensis, biosynthesis 8885.

Monensin B,
Streptomyces cinnamonensis, biosynthesis 8885.

Monilinia.

Conlinia, benomy resistance, measuring techniques, media 7887. infection, Vaccinium, Gaylussacia 4012. post-harvest decay, prunes 5801. tenlinia fructicola, biossom bigint, benomy resistance, disease control, Prunus persica 5835. brown rot, disease control, fungicides, orchards, Prunus persica 1405. fungicides effects on, growth, sponulation, isolation 2282. growth rate, benomyl effects on 1413. infection, Prunus persica benomyl resistance, comparison treatment, captan, prochoras 5719. infection Prunus persica fungicides resistance, bathogenicity 2278.

infection, Prunus persica, fungicides resistance, pathogenicity 2278. metabolites, monolidiols, isolation, structure 6620. overwintering, Prunus persica, fungicides effects on sporulation 7763.

metabonies, monoidosis, sisualuni, siructure obdzi.
voerwintering, Prunus persica, fungicides effects on sporulat
Monilinta laxa,
infection, fruit trees, Australia 8569,
resistance, iprodione, vinclozolin 7900.
Monilinta polycodil,
infection, Vaccinium stamineum, Gaylussacia baccata 4012.
Monilinta vaccinil-corymbosi,
infection, Vaccinium corymbosum 4012.

Monitoring, sanitation, food processing 805.

Monobactams, antibiotic SQ 26,917, β-lactamase stability, antibacterial activity,

antibiotic SQ 26,917, β-lactamase stability, antibiacterial activity, gram-positive bacteria, anaerobic bacteria 8039, binding, penicillin-binding protein, Escherichia coli, Staphylococcus aureus, association, antibiacterial activity 3375, biosynthesis, association, suffur, metabolism, Chromobacterium violaceum, Acetobacter, Agrobacterium radiobacter 5266.

Monocarbonyls, biosynthesis, Streptococcus lactis, Streptococcus cremons, association, cream ripening 205.

Monocarin, Exsemblium turcicum, phytotoxicity. Sorghum halpanse 3959.

Exserohilum turcicum, phytotoxicity, Sorghum halpense 3959.

Monochaetia unicornis, canker, Cupressus Iusitanica, incidence, Kenya 4151. Monocilium,

monocinium, riamyon B oxidase, purification, substrate specificity 2766.

Monoclonal antibodies, conjugation, fluorescein, Chlamydia trachomatis detection, McCoy cells 9923. enzyme-linked immunosorbent assay, feline leukemia virus 9850. enzyme-linked immunosorbent assay, typing, herpes simplex virus 1, herpes simplex virus 2,0443. virus 2 9843.

virtus 2 9943. Hurriburescene immunoassays, gentamicin 9763. indirect fluorescent antibody test, respiratory syncytial virus 9855. myeloma proteins, use, enzyme immunoassay, detection, Salmonelia, methodology 7241.

7241.

precipitation, methodology, molecular weight, antigenic determinants, glycoproteins. Rauscher leukemia virus 1748.

production, hybridoma, Bacillus thurniglensis 6-endotoxin 305. radiometry immunoassays, detection poliovirus antibodies 1758. use, enzyme-linked immunosorbent assay, detection, bovine leukemia virus antibodies 4474. use, identification, nuclear polyhedrosis virus, methodology 2652.

Monocytes, lation, endotoxins, assays 3893.

Monolaurin,

antifungal activity 689.

± butylated hydroxyanisole, ± sorbic acid, ± methyl hydroxybenzoate, antiviral activity 700.

Monolidiois,

Monilinia fructicola, isolation, structure 6620.

Monomethyl 3-chlorolamellicolate,
Verticilium lamellicola, characterization 8378.

rity testing 6112.

Yersinia pestis antibiotic sensitivity testing 6110.

Monoxygenaes,
activity, 2-ανο.Δ² 4,5.5-trimethylcyclopentenylacetic acid oxidation,
Pseudomonas putida 1881.

Monophenol monooxygenase,
apoenzymse, copper reconstitution, kinetics, mechanisms, Neurospora 2762.

Monoacdium glutamate,
stimulation, Streptomyces fradiae, tylosin, production, batch culture 4425.

Monoaporascus eutypoides,
infection, Cucumis melo, soil moisture, temperature, effects on, growth 5758.
role, Cucumis melo collapse, Israel 9380.

Monoteropenes.

Monoterpenes,
Eremothecium ashbyli, biosynthesis 2385.
Plinus radiata, effects on, Dothistrona pini, spore germination, needle blight 4143

Monotropa hypopitys, mycorrhizas development, uitrastructure 2328. Monotropaeces, ecophysiology, nutrient transport, absorption, nitrogen sources, phosphate 9539.

Montane environments, forests, soil microorganisms, nutrient cycles, succession 2297. USA, California, mudflows, soil organic matter accretion, nutrient cycles, biological activity 9566. Moraxella

fishery products, storage conditions, carbon dioxide, nitrogen, temperature, effects on 8498.

effects on 849s.
spoilage, beef, vacuur packaging, refrigeration 5638.
Moraxella bovis,
drug sensitivity testing, miconazole 5178.
Morganella morganil,
β-lactamase, hydrolysis, cephalosporns, derivatives, structure-activity
relationships 5241.

mezicollin+penicillins antibacterial activity synergism 7058.

Moroccan pepper virus,
identification, Solanum melongena isolates 8588. Morphactin,

treatment, Crotalaria juncea leaves, microorganisms ecology 7757.

Morphine,

production, distribution, Papaver somniferum, Sclerotinia sclerotiorum stems infection effects on 6812.

Morphology,

Neisseria meningitidis, penicillin effects on 738. Proteus 657

roots, vesicular-arbuscular mycormizas 587 Mortality, association, Botryosphaeria dothidea, Pinus elliottii var.elliottii, Pinus taeda

biological control, Bacıllus sphaericus, pathogens, Bacıllus thuringiensis,

biological control, Bacilius sphaencus, pamogens, Bacilius infilingens Culicidae 2850. Quercus, Hypoxylon atropunctatum canker, association drought 5074. Mortality factors, fungi pathogens, forests, Fagus, Magnolia 4171. Mortlerella, incidence, association, heavy metals gradients, soil, Sweden 6898. infection, Hordeum cell culture 1177. Mortlerella Indohli, association, observation methods 3627.

zygospores formation, observation methods 3627.

Mortierella Isabeillins,
biodegradation, 12,14-dichlorodehydroabietic acid 6657.

Mortierella subtilialina,
last litter hydogendation.

leaf litter biodegradation 3771.

Morus, dwarf disease, cytopathology, Mycoplasma 9375, extracts, antifungal activity, disease resistance 4084.

hyllosphere, nitrogen-fixing bacteria, nitrogen fixation 9590.

Mosaic disease,
bean common mosaic virus, Phaseolus vulgaris disease resistance 5815.

Capsicum frutescens, epidemiology, potato virus Y 3032.

Mucor hiemalis, (continued) hydroxylation, monacolin K, compactin 7552, post-harvest decay, etology, Manihot esculenta 3102, soil microorganisms, ethylene production, novobiocin, cycloheximide, effects on Mosaic disease, (continued)
cassava latent virus, Manihot esculenta, etiology, pathogenesis 9413.
cassava latent virus, Manihot esculenta, transmission, Nicotiana benthamiana. cassava latent virus, Manihot esculenta, transmission, Nicotiana benthamiana, tissues ultrastructure 1315
Corynebacterium michiganense subsp. tesellatinis, Triticum aestivum 4966.
Cucumenopise edulis, viruses eitology, isolation, characterization, Nigena 4025 maize white line mosaic virus asymptomatic infection, Zea mays, incidence 4969 Manihot esculenta, cassava common mosaic virus, heat treatments 1312 potevirus. Crotalaria spectabilis 4981. potyvirus Bambusa arundinacea 5705.
Prunus, Malus, ilarvirus isolates 5740.
Teffatina cocioentalis, disease resistance 5042.
Triticum, viruses ehology, India 3953. 5907 Mucor meihel, proteinase comparison, Bacillus licheniformis milk-clotting enzymes, biosynthesis, characterization, immobilization 4613. Mucor mucedo. cell walls biosynthesis, association, dimorphism, fungicides effects on, factors affecting 4310. arrezing 4310. cell walls, glucuronans, physicochemical properties 6578. lipolysis, proteolytic enzymes, activity, temperature, effects on 5512. quinaziones antifungal activity 2476. ultrastructure, quintozene effects on 4124. Triticum, viruses etology, India 3953.

Mossbauer spectroscopy,
hydrogenase, Desulfor/brio gigas 4634.

Most probable number,
computer applications 9829,
counting methods, bacteria, viability 5431.
detection, bacteria, aquatic environment, use, calculator 8139.

Motor task performance,
man, bodhbrushing, dental hygiene 7209.

Motor vehicles,
human impact, tundra soil, arylsulfatase activity, soil moisture, USA, Alaska Mucor piriformis,
pears post-harvest decay, antifungal activity, surfactants+chlorine 1323. pears post-harvest decay, antifungal activity, surfactants + chlorine Mucor plumbeus, biodegradation, straw, role, soil, volcanic ash, stabilization 5091. gas production, yogurt, identification 4840.

Mucor putillus, post-harvest decay, hobacco leaves, association storage 8599. post-harvest decay, hobacco leaves, association storage 8599. proteinase, purification, characterization 1874.

Mucor racemosus, purification, characterization 1874.

Mucor racemosus, milk-clotting enzymes, casein proteolysis 7357.

milk-clotting enzymes, casein proteolysis 7357.

milk-clotting enzymes, cuprification, characterization 7358.

Mucor rouxianus, antifungal activity, Streptomyces leptomycin A, leptomycin B 8028. milk-clotting anzymes, purification, characterization 7358. Mounds, soil microorganisms, population dynamics, Isoptera, Kenya 8669. soil microorganisms, population dynamics, isoi, Mountains, microorganisms relationship, soil, USSR 7827. Mouse hepatitis virus, antibodies, detection, radioimmunoassay 7232. Mouthwashes, antifungal activity, Streptomyces leptomycin A, leptomycin B 8028. Nouthwashes, antibacterial activity, man, in vivo 6046.
copper, zinc, retention, dental plaque inhibition, man 8998.
fluoride, dental cares prevention, man 3501.
fluoride, prophylaxis, dental caries, man 8986.
sodium fluoride, plaque ndex, acid production, dental caries, man 7210.
sodium fluoride, plaque ndex, acid production, dental caries, man 7210.
sodium fluoride, prophylaxis, dental caries, children 8990.
sodium fluoride, prophylaxis, dental caries, children 8990.
sodium phylate, benzethonium childride, effects on dental plaque formation, man Mucor rouxii, 6-phosphofructokinase stimulation, fructose 2,6-bisphosphate role 9130. protein kinase, cyclic AMP binding, kinetics 6469. Mucus. nicroorganisms, fixation methodology 3514. Muiches. Muicnes, disease control, Rhizoctonia solani, web blight, Phaseolus vulgaris 5050. effects on pathogenicity, yield, Verticillium wilt, Solanum melongena 476. soil, poly(ethylene) effects on Sclerotium oryzae sclerotia 1513. Mutticolic acids. 8989 stannous fluoride, effects on Streptococcus mutans levels, dental plaque, saliva, man 3500.

Moxalactam,

+ aminactin, antibacterial activity, Enterobacteriaceae 1614.

+ aminoglycoside antibiotics, antibacterial activity, non-fermentative gram-regative bacteria 1607.

gram-regative bacteria 1607.

gram-regative bacteria clinical isolates 2505.

antibacterial activity, anaerobic bacteria 5270.

antibacterial activity, Bacteroides fragilis 7129.

antibacterial activity, Descential isolates 2505.

antibacterial activity, Enterobacteriaceae, Bacteroides fragilis, Pseudomonas aeruginosa 5269.

antibacterial activity, gram-negative bacteria (1606.

antibacterial activity, gram-negative bacteria 4862.

antibacterial activity, Haemophilus influenzae, gram-positive bacteria 5276.

antibacterial activity, Haemophilus influenzae, inoculum size effects on 2532.

antibacterial activity, Pseudomonas aeruginosa 6128.

antibacterial activity, Pseudomonas aeruginosa 6128.

antibacterial activity, Pseudomonas peruginosa 6128.

antibacterial activity testing, anaerobic bacteria 7136.

antibiotic sensitivity testing, an stannous fluo man 3500. uoride, effects on Streptococcus mutans levels, dental plaque, saliva, Penicillium multicolor, sodium acetate incorporation, oxygen distribution 7287. Multicologic acids, Penicillium multicolor, sodium acetate incorporation, oxygen distribution 7287. mumps virus,
immunoglobulin A, man, detection, enzyme-linked immunosorbent assay 3528,
vaccines, immunogenicity, storage effects on 4429.

Mung bean mild moasic virus,
pathogenicity, Rhizobium inoculation, nitrogen fertilizers effects on, Phaseolus
aureus 8534. urieus 60-3-.

Mung bean yellow mosaic virus,
Bemisia tabaci disease transmission, host range, purificaiton, characterization,
Thaliand 6813. infection inhibition nodulation, nitrogen fixation, Vigna radiata 1144 infection, Vigna mungo, disease resistance, genetic analysis 3137. disease resistance, plant breeding, Phaseolus aureus 446 Muramic acid. uramic acid, Eschenchia coli, detection methodology, gas chromatography 7240. gas chromatography, indicators biomass, bacteria, sediments, estuaries 9027. high-performance liquid chromatography, bacteria biomass measuring techniques, sediments, manne environment 7252. Muramidase, lysis activity, use, differention, Streptococcus group A 3547. Muramoyl-pentapeptide carboxypeptidase, amino acid sequence, Streptomyces albus 2788. iMurein, biosynthesis, colicin M effects on, Escherichia coli 2465, biosynthesis, cross-linking, Escherichia coli cell division 1984. Murine leukemla virus, antiviral activity, fluorene substituted amino acids derivatives 8799. Murine sarcoma virus, interferon, inhibition, replication 7113. Mus musculus domesticus, vectors, spores, Botryodiplodia theobroma, yams, post-harvest decay 442. aeruginosa 2530. hydrolysis susceptibility, β-lactamase, Pseudomonas aeruginosa 5272. inactivation aminoglycoside antibiotics 6108, induction β-lactamase, bacteria, comparison cephalosporins, cefoxitin 5273. β-lactamase inactivation 4673. Musa, leafspot, Mycosphaerella musicola, triadimefon disease control 4127. Musa paradisiaca, viruses, bunchy top, disease transmission, Pentalonia nigronervosa 7677. structure-activity relationships, antibacterial activity 5275. Mucidin, viruses, bunchy top, disease transmission, Pentalonia nigronervos
Musa saplentrum.
Colletotrichum musea infection, appressoria, development 5733.
disease transmission, banana mosaic virus, Aphis gossypii 3069.
fungi crown rot, pathogenicity 395.
Mycosphaerella musicota sigatoka 3969.
Mushroom poisoning,
Amanita phalloides, age effects on mortality, man 9280.
Amanita phalloides, man 178.
Citicoybe pseudoinna, case reports, man 5604.
Cortinarious speciosissimus, renal failure, case reports, man 227.
Cortinarious speciosissimus, renal failure, case reports, man 261.
Omphalotus oleanius, gastritis, man 7582.
treatment, man 5612.
Mushrooms,
canning, Clostricium botulinum, spores inactivation, heat transferbiosynthesis, tryptophan nutrient requirements, Oudemansiella mucida 8015. Oudemansiella mucida, biosynthesis, radioactive labelling 7187. Achatina fulica, antibacterial activity, Bacillus subtilis, Staphylococcus aureus, Escherichia coli, Pseudomonas aeruginosa 5185. MucInase, purification, characterization, Vibrio cholerae 963. Mucoid form, Pseudomonas aeruginosa, alginic acid biosynthesis 2746.
Mucor,
muco Pseudomonas aeruginosa, alginic acid biosynthesis 2746. canning, Clostrictum botulinum, spores inactivation, heat transfer 1093. cultivation, cultivation techniques, reviews 5614. cultivation, technology, species use, USA, reviews 4825. food processing 5610. food spoilage, γ radiation, storage, effects on cytokinins 3816, nucleic acids levels, mushroom poisoning relationship 1961, relationship, appetite, animal models, man 3815.

Mustela vison,

lung cells, media (selective), Mycoplasma hyorhinus 4491.

Botrytis cinerea, terpenoids conversion 5566, food quality, yeasts culture effects on 1050, production, analyzers 9234. single-cell protein production, Candida utilis 5472.

Single-ceil protein production, Carania utilis 2472.

Mittagenesii, 4 acetoxy-1,4-benzoxazin-3-one interaction DNA 4309.

Micromonospora rosaria, methodology, protoplasts, myceilia fragments 9075.

phage λ. γ radiation induction 1580.

Mittagenicits, detoxification, ammonium hydroxide, sodium hypochlorite, sodium hydroxide, 279.

ariamani p.1, detoxification, arimonium hydroxide, sodium hypochlorite, sodium hydroxide 278.
Lactarius necator, mutagens characterization 2916.
N-methyl-N-formyl hydrazine, Gyromitra esculenta gyromitrin metabolites, Ames test 6708.

toxicity, hydrazine derivatives, Basidiomycetes metabolism, Salmonella typhimurium, correlation, animals 1095.

typhimuirium, correlation, animals 1095. Mutagenicity teating, allatoxin B1, α radiation treatment detoxification 3879. bacteria, chemical pollution 1784. chemical, Neurospora 8149. Lactarius necator extracts 4715. methodology, Ames test 645. mycotoxins. Fusanium 2315. Salmonella, methodology 9893. Salmonella, methodology 9893. Salmonella, strains 3560. Mutagene.

Mutagene, intestinal microflora, rats, association, cycasin activation, genetic analysis 4510.

Mutanolysin,
treatment Streptococcus protoplasts formation, dairy industry 5414. Mutants,

antibiotic resistance, Azotobacter vinelandii, nitrogen fixation 9618. antibiotic resistance genes, streptomycin, Escherichia coli, selection methodology 4481. arginine, Acinetobacter calcoaceticus, ornithine, production 6389. Ascomycetis, cellulose biodegradation 165. Aspergillius nidulans, chloroneb resistance 5151.

Aspergillus parasiticus, anthraquinone bioaccumulation, column chromatography 5649.

Aspergillus parasincus, anthraquiunone bioaccumulation, column chromatography 5649, auxotrophy, Bacillus licheniformis, bactiracin production 6172, auxotrophy, Rhizobium meliioti, adenine nutrient requirements, nodulation, Medicago sativa 9616.

Bacillus subtilis, inosine biosynthesis, 5'-nucleotidase use 122.
Bacillus subtilis, inosine biosynthesis, 1939.
Candida rugosa, B-hydroxypropionic acid production 5474.
Candida rugosa, B-hydroxypropionic acid production 4583.
Clostridium perfringens, metronidazole drug resistance 3294.
derepression, Schwanniomryoes alluvius, starch hydrolysis 4852.
Erysiphe graminis f.sp.tritici, virulence, genetic analysis, powdery mildew, Triticum aestivum 356.
Escherichia coli, trytophanase overproduction 9137.
fowl plague virus, nbavrin drug resistance 630.
herpes simplex virus 2, 9'-(2-hydroxyethoxymethy)guanine drug resistance, role, BSC-1 cells cell fusion 3271.
homones, Triticum aestivum, yield, relationship, Azospirillum inoculation 5944.
Lycopersicon esculentum, Rhizopus stolonifer infection, effects on, cellulase, pectinolytic enzymes 5773.
Micromonospora polytrota.

Micromonospora polytrota, 20-deoxo-20-dihyddro-12.13-deepoxy-12.13-dehydrorosaranolide conversion 8908. Micromonospora sagamiensis, gentamicin, sagamicin, biosynthesis, cobalt,

Micromonospora sagamiensis, gentamicin, sagamicin, biosynthesis, cobalt, regulation 6195.

Pachysolen tannophilus, acetic acid production 2733.

Penicillium chrysogenum, penicillin production 6154.
radioresistance, Bacillius subtlis, Bacillius thuringiensis var.galleriae, isolation, characterization 7027.

Altizobium, Ciocer arietimum, nodulation, nitrogenase activity, competition 7854.

Rhizobium japonicum, nitrogen fixation, photosynthesis, yield, Glycine max 9579.

Rhizobium trifolii, soil, nitrogen fixation, viability 2354.

Saccharomyces cerevisiae, mitochondria, ethanol production, aerobic conditions 3749.

37492.
Saccharomycoss uvaram, ethanol tolerance, selection methodology 4520.
Saccharomycopsis lipolytica, proteinase, production, characterization 1921.
Streptococcus lactis, lactose fermentation, starter cultures, cheddar cheese production 7570.
Streptomyces cacaoi, penicillins antibiotic resistance, role, penicillin-binding

treptomyces cacaoi, penicillins antibiotic resistance, role, penicillin-binding protein 3297.

pruein 3297.
Streptomyces coeruleorubidus, Streptomyces galilaeus, anthracycline antibiotics biosynthesis 5540.
Streptomyces cremeus, auxotrophs, nebramycin biosynthesis, antibiotic resistance 8020.

Streptomyces fradiae, growth, cyclic AMP, relationship, tylosin, biosynthesis 4398

Streptomyces galilaeus, anthracycline antibiotics biosynthesis, structure 5539.

Streptomyces galilaeus, anthracycline antibiotics, isolation, characterization 5538.

Streptomyces galilaeus, biosynthesis, anthracyclinones, anthraquinones 2823. Streptomyces griseoviridus, proline hydroxylation, viridogrisein analogs production 8911.

Production 8911.
Thermomonospora curvata, cellulase biosynthesis 974.
transposon 5, Rhizobium meliloti, Medicago sativa, nodules, ultrastructure 7848.
vaccinia virus, drug resistance, 2°-O-methyladenosine 8739.
yeasts, insertion, nucleotides, methodology 1808.
Yersinia pestis, polymyxin, antibiotic sensitivity testing 6174.
tutetion.

Mutation,

Agrobacterium, agrocin resistant mutant, mutation 2417.

Corynebacterium diphtheriae, association, iron effects on toxins production 3889.

effects on genes regulation, Escherichia coli methionine biosynthesis 7481.

herpes simplex virus, genes, thymidine kinase, DNA polymerase, drug resistance, 9-(2-hydroxyethoxymethyl)guanine 7874.

lactic acid bacteria, stimulation aroma compounds production 7474.

Mutation, (continued)

Salmonella typhimurum concentration effects on, Ames test 9023. Streptomyces bikiniensis, N-methyl-N'-nitro-N-nitrosoguandine induction, effects on streptomycin biosynthesis, antibiotic resistance 5256.

tissues damage, bacteria contamination, organoleptic evaluation 181.

Cytophaga, Zoogloea, activated siudge 3463. Interspecific relationships, mycorrhizas, Rhizobium, Leguminosae 9555.

Mycella.

ycella,
Absidia corymbifera, morphology, liquid culture, mixing, rheology 9069.
Agaricus bisporus, chitin synthase isolation, characterization 4624.
Agaricus bisporus, growth, relationship, cellulase biosynthesis 6559.
Basidiomycetes, chitin assays 4517.
Basidiomycetes, extracts, hemagglutination 13.
Basidiomycetes, growth, soil, association, plants 1478.
breakage methodology, Neurospora, mitiochondria, vacuoles isolation 4536.
Cryphonectria cubensis, Eucalyptus phenols effects on, role, disease resistance, canatar 5814.

canker 5814

canker 5814.

Dactylium dendroides, protoplasts release, culture systems 9074.
fragments, methodology, Micromonospora rosana mutagenesis 9075.
fragments, methodology, Micromonospora rosana mutagenesis 9075.
fucomannosportides, characterization, Absidia cylindrospora 7295.
fungi, lermenters, sampling equipment 9080.
fungi, leaf litter decomposition, Collembola grazing effects on, nitrogen,
cations leaching 3212.
funcil castinipacetorhenone concentration, relationship levorin biosynthesis 7171.

cătions leaching 3212 fungi, perminacetophenone concentration, relationship levorin biosynthesis 7171. fungi, perminacetophenone concentration, relationship levorin biosynthesis 7171. fungi, penetration, pores, Glycine max, seeds 321 growth, Streptomyces nodosus, amphotericin B biosynthesis 6181. homogenates preparation, methodology 9072. infectivity, forests soil effects on Phytopithora 1483. isolation, glucose isomerase, methodology, Streptomyces aibogriseolus 18. organic matter, soil treatment, nitrogen mineralization 5949. Penicillium chrysogenum, manntol dehydrogenase purification, characterization, industrial wastes isolates 5514.

Industrial Wastes Isulates 5514.
Penicillium chrysogenum, morphology, association, beads 9985.
Penicillium digitatum, biomass use, solution uranium removal 9628.
Phymatotrichum omnivorum, antifungal activity, ammonia 696.
Phytophthora infestans, lipoglycoproteins, effects on Solanum tuberosum tubers ultrastructure 2257

ultrastructure 2257.
role, corrosion, role, Cladosporium resinae 169.
Streptomyces cineraceus, cinropeptin isolation, physicochemical properties 6236.
Streptomyces inmobilized cells, production, tylosin, nikkomycin 1685.
Streptomyces Ingispororuber, corralomycin isolation 7160.
Streptomyces ingispororuber, corralomycin isolation 7160.
Streptomyces, nystatin extraction, dimethyl sulfoxide use 8869.
yeasts, dimorphism, assays methodology 9082.
Myceliophthora thermophila,
biodegradation, Canarium schweinfurthii, bark 550.
Mycelium radicls atrovirena,
intection, Pseudotsuga menziesii roots, incidence 4162.
MycInamiclina,
components, Miromonospora griseorubida, physicochemical properties 6204.
MycInalide IV.

istry, X-ray crystallography 1652. Mycobacillin, purification, Bacillus subtilis 767

Mycobacterium, antibiotic OA-7853 7179. antibiacterial activity, antibiotic OA-7853 7179. antibiacterial activity, glutaraldehydes based disinfectants, evaluation, dialysis antibiacterial activity, halogenoforic compounds 2438.

ambacterial activity, halogenotoric compounds 2449. antibiotic sensitivity testing, cephalosporins 7996. antimycobacterial activity, rifampicin, cyclopenty irfamycin 2419. antimycobacterial activity, suffonamides, cotrimoxazole 2420. biodegradation, phospholipids, triacylglycerols, cholesterol 2881. dapsone, drug sensitivity testing 2467. detection, media (selective), radiometry 9933.

detection, media (selective), fadiometry 9933.
detection, radiometry 9926.
disinfection, ionizing radiation, drinking water 2500.
drinking water disinfection, ionizing radiation 3487.
drug sensitivity testing 679.
dr

5188. fatty acids metabolism, measuring techniques, radiometry 837. fructose-bisphosphate aidolase, purification, characterization 6430. galactokinase, purification, characterization 5498. identification 3603. identification methodology 3807. identification, tuberculostearic acid, mycoseric acid, detection 6326. immobilization methodology 8127. immobilization methodology 6127. immobilization methodology 6127. immobilization methodology 6127. immobilization methodology 6127. acid 6128. immobilization methodology 6127. acid 6128. immobilization for side for

mycobacterium avrum, isoniazid, serum levels, bioassays 2421.

Mycobacterium avlum, antitubercular agents+2-acetylpyridine, +2-acetylquinoline, antibacterial activity 3310

activity 3310."

Mycobacterium avlum-intraceflulare, antibiotic sensitivity assures, armonium, continuous culture methodology 8114.

Mycobacterium avlum-intraceflulare, antibiotic sensitivity testing, cephalosporins 7996. antimycobacterial activity, dimethyl sulloxide, +antimycobacterial agents 2401. bacteriostasis, sulfadimethoxine, kitasamycin 7912. infection, trimethoprim, sulfamethoxacyole, cotrimoxacyle, in vitro antibacterial activity 6034.

Mycobacterium tuberculosis, animal isolates, differentiation methodology, association ions monitoring 4496.

Mycobacterium tuberculosis, (continued)
drug sensitivity testing, tissue culture media 7911.
β-D-glucuronidase inhibitors, purification, characterization 8260.
liquid culture 9018.
lysolecithin, antibacterial activity, association, fatty acid composi-Mycobacterium bovis, acyl-CoA carboxylase, purification, characterization 96. cytoplasm extracts, characterization, antitumor activity 7450. immunogenicity, use vaccines 2601. media (culture), differential diagnosis 2704. media (solation), arimal isolates 1792. liquid culture 9018.

lysolecthin, antibacterial activity, association, fatty acid composition 4286.
malonyl-CoA decarboxylase, purification, characterization 8245.
media (culture), differential diagnosis 2704.
minocycline, antibacticular agents 8898.
Mycobacterium avium-intracellulare, animal isolates, differentiation methodology,
association ions monitoring 4496.
proteins, biosynthesis, characterization, association tuberculin activity 6384.
swabs culture methodology 869.
Mycobacterium ulcerans,
dapsone drug sensitivity testing 2467.
Mycobacterium valending 2467.
Mycobacterium xenopi,
gastroenteritis, water-borne diseases, man, drinking water 2633.
Mycobacterium, media (collator), amerima isolates 1792.

Mycobacterium chelonel, antiborio sensitivity testing, sulfonamides, agar diffusion test 9657.

Mycobacterium dienhoferl, biodegradation, petroleum, hydrocarbons 7869.

Mycobacterium flevaeceum, hydrocarbons 7869.

Mycobacterium flevaeceum, hydrocarbons 7869.

Mycobacterium fortutum, antibacterial activity, cephalosporins 7996. antibiotic sensitivity testing, dephalosinini clavularic acid, antibiotic sensitivity testing dephalosinini clavularic acid, antibiotic sensitivity testing dephalosinini clavularic acid, antibiotic sensitivity testing dephalosinini clavularic acid, influence sensitivity testing dephalosinini clavularic acid, clavity sensitivity testing dephalosinini clavity 1612. diriking water disinfection, tonizing radiation 3487. fortuinin, conformation, N.M.R. 6391. infection, trimethoprim, sulfamethoxazole, cotrimoxazole, in vitro antibacterial activity 6034.

Mycobacterium gordonae, dapsone drug sensitivity testing 2467.

Mycobacterium gordonae, dapsone drug sensitivity testing 2467. Mycobacterium intracellulare, antibiotic resistance, association, membrane permeability 7047. antibiotic synergism, antibacterial activity 3309. antibiotic synergism, antibacterial activity 3310. infection, monkeys, clinical aspects, drug sensitivity testing 4285. Mycobactin, Mycobacterium paratuberculosis, chemical composition 1848. Mycobacterium smegmatis, production, methodology 117. Mycobacterium arreginans, production, methodology MY Mycobacterium paratuberculosis, production, punfication, biological activity 2847. 2847.

Mycogone permiciosa,
wet bubble disease, prochloraz, disease control, Basidiomycetes 6824.

Mycogone perniciosa,
Basidiomycetes pathogens, resistance, antifungal agents 5826.
infection, Aganeus, prochloraz, disease control 4118.

Mycoleptodiscus terrestris,
disease control, benomy folar applications, metham fumigation, Glycine max 5060 Mycophagy, ameba, Gaeumannomyces graminis, take-all, crop fields 5920. amena, caeumannomyces graminis, take-aii, crop lieios s Mycophenolic acid, biosynthesis, Penicillium roqueforti, strains specificity 982. Mycoplanecin A, antibiotic synergism, antibacterial activity 3309.
antibiotic synergism, antibacterial activity 3310.
Infection, monkeys, clinical aspects, drug sensitivity testing 4285.

Mycobacterium kanaseli, antibiotic sensitivity testing, 4285.

Autibiotic sensitivity testing, cephalosporins 7996.
antitubercular agents +2-acetylpyridine, +2-acetylquinoline, antibacterial activity 3310.
dapsone drug sensitivity testing 2467.
drinking water disinfection, ionizing radiation 3487.
infection, trimethoprim, sulfamethoxazole, cotrimoxazole, in vitro antibacterial activity 6034.

Mycobacterium leprae,
antibacterial activity, rifampicin 3419.
culture, in vitro 1778.
dapsone drug sensitivity testing 2467.
drug sensitivity testing, radioactive labelling, in vitro, macrophages 9659.
leprosy, epidemiology, radiommunoassay, man 848.
leprosy, subclinical infection detection, fluorescent antibody test, man 847.
infampicin ambacterial activity, radioactive labelling, infected macrophages,
Mycobacterium lepraemurfum,
cell culture, use, cycloheximide 9034.
drug sensitivity testing, antibacterial agents 2466.
Mycobacterium merinum,
antibiotic sensitivity testing, drug sensitivity testing, sulfonamides, agar
diffusion test 9657.
infection, trimethoprim, sulfamethoxazole, cotrimoxazole, in vitro antibacterial
activity 6034. structure, Actinoplanes awajinensis subsp.mycoplanecinus 9766.

Mycoplanecins,
biosynthesis, Actinoplanes awajinensis subsp.mycoplanecinus, new taxa, taxonomy isolation, physicochemical properties, Actinoplanes awajinensis subsp.mycoplanecinus 9790.

Mycoplasma, susp.mycopiaerus 9790.

Susp.mycopiaerus 9790.

Susp.mycopiaerus 9790.

Susp.mycopiaerus 4, agglutination tests, methodology 2648.

artibiotic sensitivity testing 2518.

artibiotic sensitivity testing 2793.

contamination, viruses culture collections, fluorescent probes detection 6293.

detection, cell culture, methodology, sensitivity 1770.

detection methodology, cell culture 9869.

X disease, Puriuse persica, oxyletracycline hydrochloride treatment 2152 dwarf disease, Morus, cytopathology 9375.

growth, colonies diameter, statistical analysis 8109.

infection, callus culture, Solanum melongena 1302.

infection, plants, tetracyclines treatment 5840.

lincomycin media (selective) 7233.

media (culture) methodology 8142.

oflaxion antibacterial activity 3311.

plant diseases, antibiotics treatment, technology 5839.

plant diseases, altibiotics treatment, technology 5839.

plant diseases, altibiotics treatment, technology 5839.

plant diseases, altibiotics treatment, technology 5839. plant diseases, electron microscopy, reviews 9316.

Mycoplasma arginini, biosynthesis, ATP, AMP, ADP 9220.

Mycoplasma bovis, biosynthesis, ATP, AMP, ADP 9220.

Mycoplasma capricolum, protein composition 929.

Mycoplasma capricolum, protein composition 929.

Mycoplasma termentans, biosynthesis, ATP, AMP, ADP 9220.

Mycoplasma galilisepticum, biosynthesis, ATP, AMP, ADP 9220.

cell membranes, purification methodology 3554.

ribhibitors, detection, trachea washings, chickens 6302.

Mycoplasma hyorhinis, detection, fissue culture, methodology 2690.

isolation, culture, atmospheric conditions effects on 8147. Infection, trimethoprim, sulfamethoxazole, cotrimoxazole, in vitro antibacterial activity 6034.

Mycobacterium paretuberculosis, mycobactin Jeneical composition 1848. mycobactin J production, purification, biological activity 2847.

Mycobacterium phiel, menaquinone biosynthesis, precursors, enzymes, genetic control, reviews 6628.

Mycobacterium scrofulaceum, artibiotic sensitivity testing, eephalosporins 7996. infection, trimethoprim, sulfamethoxazole, cotrimoxazole, in vitro antibacterial activity 6034.

Mycobacterium similae, artibiotic sulfamethoxazole cotrimoxazole, antibiacterial activity 3310.

Mycobacterium amegmatis, sections, insuse curiure, methodology 2590, isolation, culture, atmospheric conditions effects on 8147.

Mustela vison lung cells, media (selective) 4491, media (culture), anaerobic conditions, growth 2668.

Mycoplasma mycoldes, antibacterial activity, rubomycin, carminomycin, N-monoethyl derivatives 781.

Mycoplasma pneumoniae, antibiociterial activity, rubomycin, carminomycin, N-monoethyl derivatives 781.

Mycoplasma pneumoniae, antibiocites, celection, solici phase methods radioimmunoassay 9870, media (solation) 9872. onlici phase methods radioimmunoassay 9870, media (solation) 9872. onlici phase methods radioimmunoassay 9870, media (solation) 9872. onlaxicin antibioacterial activity 3311.

Mycoplasma-like organisms, detection, roots, Catharanthus roseus 3054. digitorini effects on, virulence, tissue culture, Nicotiana tabacum 2175, X disease, mixed infection, Sprioplasma citri, etiology, Prunus 3025. disease transmission, citrus 3970. disease transmission, citrus 3970. disease transmission, citrus 3970. disease transmission, cocco suncifera, pathogenesis, tissues distribution 8566. infection, Cocco nucifera, pathogenesis, tissues distribution 8566. infection, Cocco nucifera, pathogenesis, tissues distribution 8566. infection, Citrus college, calmanthus roseus 1310. infection, rooting, cuttings, Catharanthus roseus 1310. infection, rooting, cuttings, Catharanthus roseus 1310. infection, rooting, cuttings, Catharanthus roseus 1310. isolation, sap, yellows, Cocco nucifera 1205. isolation, yellows, Vitts vinifera 5024. overwintering, rhzomes, Rubus idaeus, Cirsium arvense 6816. phyllody, disease transmission, Deltocephalus flavicosta, Catharanthus roseus 7694. plant diseases, vectors, Insecta 1120. proliferation disease. Malus. letracyurine trestment 3023. Mycobacterium amegmatia, antibacterial activity, derivatives, kanamycin, dibekacin, ribostamycin 8853. arabinomannan, use, enzyme-linked immunosorbent assay, diagnosis, leprosy, man ouzorophs isolation, use vancomycin 8134. biodegradation, petroleum, hydrocarbons 7869. continuous culture, phage hyjing, survival, use phage D-29, phage MyF2 P/59 9010. esterase, hydrolysis, polyoxyethylene sorbitan monocleate, purification, characterization 8265. esteráse, hydrolysis, polyoxyethylene sorbitan moncoleate, purification, characterization 8285. fatty-acid synthetase multienzyme complexes, purification, characterization 924. ferredoxin, purification, physicochemical properties 3654. β-lactamase, purification, characterization 3690. lactate 2-moncoxygenase reconstitution flavin derivatives, oxidation decarboxylation lactic acid 6502. mycobactin, production, methodology 117. respiration, growth, RNA biosynthesis, rifampicin effects on 7156. ribose isomerase, purification, characterization 4652. spheroplasts, isolation, methodology 856. thioesterase I, purification, characterization 8220. Mycobacterium szulgal, dapsone drug sensitivity testing 2467. Mycobacterium tuberculosis, acyl-CoA carboxylase, purification, characterization 96. amikacin antibacterial activity, acuticavilaric acid antibiotic synergism 8845. antitubercular agents, drug sensitivity testing 2422. antitubercular agents, drug sensitivity 1612 clinical isolates, drug resistance, Korea Rep. 9656. drug resistance, pyrazinamide, pyrazinamidase assays 9638. plant diseases, vectors, Insecta 1120, proliferation disease, Malus, tetracycline treatment 3023.

```
Mycoplasma-like organiams, (continued)
ratoon stunt, Cynodon dactylon, etiology 3009,
stunt, diagnosis, fluorescence, Apium 2166
stunt, disease transmission, Allygus mayri vectors, Rubus 2169,
stunt, Vaccinium corymbosum 5010,
stunt, vectors, Philaenus spumarius, Rubus 3057,
white leaf disease, Cynodon dactylon, tiamulin treatment 510,
wilt, Cocos nucifera, athrogenesis 5667,
witches' broom incidence, Cajanus cajan, USA, Flonda, association, rhabdovirus
infection 4945,
witches' broom, ipomoea batatas, disease transmission, Orosius lotophagorum
ryukyuensis, Solomon I. 9424,
witches' broom, outbreaks, Rosa 5786,
yellowing, roots symptoms, Cocos nucifera, Jamaica 2228,
yellows, antigens, detection, enzyme-linked immunosorbent assay, immunoelectron
microscopy, Callistephus chinensis 8597,
yellows, Cocos nucifera, pholem sap, collection, characterization 388,
yellows, Cocos nucifera, pholem sap, collection, characterization 388,
yellows, effects on stomata, Ulmus 3171,
yellows, effects on stomata, Ulmus 3171,
yellows, soytetracycline, disease corton, Cocos nucifera 1226,
yellows, sap, chemical composition, Cocos nucifera 1226,
yellows, sectors, Cicadellidae 9398.
Mycoplasmatales,
biosvnthesis, A.TP. AMP. ADP 9220
                                                                                                                                                                                                                                                                                                                                                          Mycosphaerella cryptica,
leafspot, Eucalyptus, New Zealand 7706.
Mycosphaerella farticina,
needlecast, Larix decidua, new records, USA 9527.
                                                                                                                                                                                                                                                                                                                                                           Mycosphaerella melonis,
infection susceptibility, Cucumis, Cucurbita 7709.
                                                                                                                                                                                                                                                                                                                                                                   stem blight, Cucumis, epidemiology, relationship, powdery mildew, pest attack
                                                                                                                                                                                                                                                                                                                                                          1248.

Wycospheerella musicola,
leafspot, tradimerlon disease control, Musa 4127.
sigatoka, Musa sapientum 3969.

Mycospheerella nubirosa,
leafspot, Eucalyptus, New Zealand 7706.
Mycospheerella prinodes,
infection, Pisum sativum, Ascochyta fabae effects on disease resistance 480.

Mycospheerella pomi,
fruit ruf (liesses control, fundicides Mallus purpil), 1322.
                                                                                                                                                                                                                                                                                                                                                                     fruit rot, disease control, fungicides, Malus pumila 1392.
                                                                                                                                                                                                                                                                                                                                                           Mycosporins,
                                                                                                                                                                                                                                                                                                                                                           Glomerella, structure 3728.

Mycotoxicosis,
                                                                                                                                                                                                                                                                                                                                                                   animals, feeds contamination, mycotoxins, conferences 5455, domestic animals, mycotoxins contamination, feeds 9292.
                                                                                                                                                                                                                                                                                                                                                                   pigs 4895
  Mycopiasmatales,
biosynthesis, ATP, AMP, ADP 9220.
pathogenicity, plants, conferences 6363.

Mycopiasmatales virus-laidlawll,
DNA replicative intermediates biosynthesis, chloramphenicol effects on 1625.
                                                                                                                                                                                                                                                                                                                                                                  agricultural practices, soil microorganisms, conferences 6368.

alkaloids, Penicillium crustosum production, beer contamination 8503.

Aspergillus fumigatus, contamination, bread, food poisoning, man, neurological complications 2947.
  DNA replicative intermediates biosynthesis, chloramphenicol effects on 1625.

Mycorrhizas,
Abies alba forests regeneration 534,
Allium cepa, effects on growth 586,
Arctostaphylos manzanita, Arbutus menziesii, Arctostaphylos uva-ursi 6962,
association, decliges, Boreira reticulata 1472,
biodegradation, wood, use, inoculum, Tsuga heterophylla 529,
biomass, association, roots, Vicia faba 553,
biomass, tundra, sub-alpine environments 5883.
Cencooccum geophilum, formation, Tsuga heterophylla seedlings, USA, Oregon 6912,
competition, interspecific relationships, Glomus, Zea mays, Allium 5894,
development, Lucalyptus st-johnis desdilings 4208,
development, Lucalyptus st-johnis desorption, altrogen sources, phosphate,
Ericales 9538.

effects on, growth, Picea sitchensis, Picea glauca 530.
                                                                                                                                                                                                                                                                                                                                                                complications 2947.

Baccharis cordifidia, uptake, poisoning, cattle 2944.
biosynthesis, fungi, screening methodology 3873.
biosynthesis, Fusarium graminearum, grams substrates 8511.
cereals, food contamination, reviews 1099.
contamination, animals feeds, conferences 5455.
contamination, association feeds hygiene 4889.
contamination, com 5643.
                                                                                                                                                                                                                                                                                                                                                                  contamination, feeds 3668. contamination, feeds 3668. contamination, feeds, high-performance liquid chromatography 4893. contamination, Gramineae 5651. contamination, Sorghum bicolor 6703.
                                                                                                                                                                                                                                                                                                                                                                contamination, Sorghum bicolor 6703. 
feeds contamination, mycotoxicosis, domestic animals 9292. 
food contamination, animals feeds, fungicides use control 3865. 
food contamination, control programs, standards 6694. 
food contamination, flour 277. 
food contamination, incidence, British Isles 3878. 
fungi, biosynthesis, environmental factors effects on 284. 
fungi, defection, bioassays, food 2939. 
fungi, feeds contamination, cattle sterility 4890. 
Fusarium, Myrothecium, binding dehydrogenase active sites, Saccharomyces 
cerevisiae 7625. 
Fusarium, toxicity testing, mutagenicity testing, role dieback 2315. 
grain dist grain elevators 7619.
           Ericales 9538.

effects on, growth, Picea sitchensis, Picea glauca 530.

effects on, Sophora secundiflora, seedlings growth, phosphorus uptake 583.

Eichhornia crassipse 4222.

Fagus, granules, phosphorus levels, calcium levels 6973.

forests soil introgen mineralization 523.

formation, vaccinium, media (culture) effects on 6970.

fungi, host specificity, Eucalyptus, Pinus radiata, Pinaceae 5901.

Gigaspora margarita, hydroponics culture, Trifolium repens 2716.

Glomus etunicatus, stimulation, phosphorus uptake, drought tolerance, Allium cepa
                                                                                                                                                                                                                                                                                                                                                                  rusarium, toxicity testing, mulagenicity testing, role oleoack 2315, 
grain dust, grain elevators 7619. 
hydrazine derivatives, Basidiomycetes metabolism, toxicity, mutagenicity, 
Salmonella typhimurium, correlation, animals 1095. 
isolation, separation, methodology, Aspergillus terreus 286.
                      4200
              Glomus fasciculatus, growth, nutrient status, nitrogen, phosphorus, Bouteloua
           Glomus fasciculatus, grown, nument status, nirrogen, prospirorus, poutenous gracilis 1485.
Glomus mosseae, ifection monitoring, chitin, mannans, levels, Allium cepa 3170.
Goodyera repens, roots, symbiosis, Rhizoctonia goodyerae-repentis 4201.
growth rate, Pisolithus tinctorius, Eucalyptus st-johnii 6950.
incidence, Rhododendron, greenhouses, USA, Rhode Island 4202.
indole-3-acetic acid, Pisolithus tinctorius, gas chromatography 8171.
                                                                                                                                                                                                                                                                                                                                                                  isolation, separation, metnocology, Aspergillus terrelus 296.

mycotoxicosis, piigs 4895.
phomopsin, Phomopsis leptostromiformis, radioactive labelling 3869.
pretreatment, Drosophila melanogaster, effects on aflatoxin B1 toxicity 7617.
production, fungi, silage 4892.
production fungi, spoilage, com, storage 2069.
secalonic acid D, com dust 279.
         indole-3-acetic acid. Pisolithus tinctorius, gas chromatography 8171.
infection, ultrastructure, cytology, host plants 9536.
innoculation, growth, survival, seedlings, Pseudotsuga menziesii 518.
innoculation, revegetation, mines, Conterferales 519.
inoculation, Vaccinium corymbosum, association, soil pH 475.
interspecific relationships, mutualism, Phizobium, Leguminosae 9555.
Mimosa claussenii, characterization 5899.
nitrogen cytoe, grazing, fertilization, Panicium coloratum 1484.
nitrogen fertilization population decline, Pinus sylvestris 3163.
rutrient cytes, biomass, stands, Pseudodsuga menziesii, USA, Oregon 6905.
rutrient uptake, conferences 10005.
phosphate, cations uptake, roots, Trifolium subterraneum 559.
phosphorus nutrient sources, seedlings, Thelephora terrestris, Picea sitchensis 1441.
                                                                                                                                                                                                                                                                                                                                                                sporidesmolides, toxicity, rolle superoxide radicals formation, in vitro 274. 
Stachybotrys atra, toxicity, sheep, isolation, bedding straw 4897. 
thin-layer chromatography, use, chromotropic acid 6697. 
Irichothecin, densitometry 287.
                                                                                                                                                                                                                                                                                                                                                        biosynthesis, structure, Streptomyces 4424.

Mycotrienin II,
                                                                                                                                                                                                                                                                                                                                                          Mycotrienin I,
                                                                                                                                                                                                                                                                                                                                                                                                             is, structure, Streptomyces 4424
                                                                                                                                                                                                                                                                                                                                                          Mycotrlenins,
                                                                                                                                                                                                                                                                                                                                                                  Streptomyces rishiriensis biosynthesis, physicochemical properties 2827 
Streptomyces rishiriensis biosynthesis, structure 2828.
                                                                                                                                                                                                                                                                                                                                                                   structure 2829
                      1441
                                                                                                                                                                                                                                                                                                                                                       mysiorms,
proteins monoclonal antibodies, use, enzyme immunoassay, detection, Salmonella,
methodology 7241.
Mysloperoxidase,
association, oxygen, susceptibility, Legionella pneumophila 2429.
Myo-Inoatiol-1-phosphate synthase,
purification, characterization, Neurospora crassa 78.
Myo-Inoation bodgasia.
           Pinus patula, Thelephora terrestris, India 2303.
Pinus radiata, Pseudotsuga menziesii, Eucalyptus, Nothofagus, Leptospermum, Nev Zealand, 7774.
       Prilus radiata, Pseudorsuga merziesii, Eucaryprus, Nortoregius, Leptospermuni, Zealand 7774.
Prilus taeda, soil amendment, land reclamation, mines, revegetation 2302. role, frees cultivation, reviews 7780.
seasonal variations, nutrient status, Gramineae 1490.
soil, fertilizer applications effects on, nutrient deficiency, Plnus 7775.
soils (loam), radiation, temperature, effects on survival 1481.
species composition, Eucaryptus 1440.
species composition, soil properties effects on, Pseudotsuga menziesii, Tsuga heterophylla 520.
symbiosis, Arbutus menziesii, Arctostaphylos manzanita, USA, California 4196.
symbiosis, Cymbidium, Cattleya, greenhouses 9562.
symbiosis, trees, shrubs, Tanzania forests 2296.
symbiosis, trees, shrubs, Tanzania forests 2296.
symbiosis, Trifolium subcranaeum, effects on nitrate reductase (NADH) 6997.
Trifolium repens, Brassica effects on growth 585.
Trifolium repens, prassica effects on growth 585.
Trifolium repens, prassica effects on growth 585.
Trifolium carbon sources, photosynthesis, Vicia faba, relationship Rhizobium 615.
                                                                                                                                                                                                                                                                                                                                                          Myosotidium hortensia,
                                                                                                                                                                                                                                                                                                                                                                           cumber mosaic virus infection, new records 3035.
                                                                                                                                                                                                                                                                                                                                                          Myrica cerifera,
                                                                                                                                                                                                                                                                                                                                                                         nderstory, nitrogen fixation, Pinus elliottii, plantations 5853.
                                                                                                                                                                                                                                                                                                                                                        Myrica gale,
nitrogen fixation roots nodules, oxygen concentration 7859.
Myriococcum,
                                                                                                                                                                                                                                                                                                                                                        biodegradation, cellulose 5594.
Myrothecium,
                                                                                                                                                                                                                                                                                                                                                        cellulase, cellulose, hydrolysis 7426.
cellulose biosynthesis 3668.
mycotoxins, binding dehydrogenase active sites, Saccharomyces cerevisiae 7625.
Myrotheclum indicum,
                                                                                                                                                                                                                                                                                                                                                        cellulose hydrolysis, amino acids, carbohydrates effects on 7547. 
Myrothecium roridum,
                                                                                                                                                                                                                                                                                                                                                      Myrothecium roridum, 
leafspot, ornamental plants 5747. 
root rol, Medicago sativa, Trifolium tembense 9329. 
Myrothecium verrucaria, 
16-hydroxytrichodermadienediols, isolation 6222. 
root rot, Medicago sativa, Trifolium tembense 9329. 
single-cell protein, production, straw, Triticum 1084. 
soil, herbicides effects on 9707.
          Vaccinium ashei, USA, Florida, factors affecting 4192.
Vitis vinifera, methyl bromide soil furnigation effects on, relationship, stunt
5987.

Mycoperic ecid,
detection, Mycobacterium identification 6326.

Mycopheerella citri,
acarricidas, antifungal activity 9497.
greasy spot, Citrus latifolia, epidemiology, USA, Florida 9376.
greasy spot, Citrus paridisi, disease control, fungicides, foliar applications
5834.
                                                                                                                                                                                                                                                                                                                                                       Mytilus edulis,
                                                                                                                                                                                                                                                                                                                                                       microorganisms, biodegradation, metabolites, sterols 7554.

Myxalamide,
Myxococcus xanthus, purification, structure 8880.
```

Hyxobacter,
survival: Micropoccus luteus, host-parasite interactions 9569.
Myxobacterales,
pure culture, use antibiotics 7257.
Myxococcus coralloldes,
pigments, purification, antimicrobial activity 9667.
Myxococcus fulvus,
myxovalargin, biosynthesis, isolation, antibacterial activity 4412.
pyrrohintin, production, physicochemical properties 1653.
Myxococcus virescens,
Myxococcus virescens,

myxococcus virescens, myxovirescins, antibacterial activity 3433. Myxococcus xenthus, cell division, inhibition, mecillinam 752. myxalamide, purification, structure 8880.

Myxomatosis,
biological control, Oryctolagus cuniculus 6623.

biological control, Orycuragus cumerous voluments with Myxovalargin, Myxovoccus futurus biosynthesis, isolation, antibacterial activity 4412. Myxovireacins, antibacterial activity 3433. Myzus persices, alm pheromone derivatives, effects on disease transmission, beet yellows virus, potato virus Y 3108. Assass, transmission, pea enation mosaic virus, bean yellow mosaic virus, Pisum

disease transmission, pea enation mosaic virus, bean yellow mosaic virus, Pisum saitum 2101.
disease transmission, potato leaf roll virus, leaves age, Solanum tuberosum 2182. disease transmission, potato leaf roll virus, storage conditions, potatoes 7720. potato leaf roll virus, storage conditions, potatoes 7720. potato leaf roll virus, disease transmission, feeding behavior, permethrin, deltamethrin effects on 8526.
vectors, disease transmission, beet mild yellowing vrus, potato virus Y, beet yellows virus, deltamethrin, disease control. Beta vulgans 467. vectors, disease transmission, potato virus Y, plant disease 9400. vectors, potato virus Y, detection, enzyme-linked immunosorbent assay 3517. vectors, viruses, plant diseases, disease control, repellents 459.

N.M.R.

I.M.R., acetic acid, association, penitrem A, biosynthesis, Penicillium crustosum 6700. A acetic acid, association, penitrem A, biosynthesis, Aspergilius versicolor 6699. alamethicin structure 8036 alamethicin structure 8036 alamethicin structure 8036 albomycin 6, albomycin 6,

cytochrome c551 multiple forms, heme iron coordination geometry, Rhodopseudomonas gelatinosa 3653.

gelatinosa 3653 etalphorium, inemerium continuaturi gerunity, minotopisuo gelatinosa 3653 etalphyllistinoccie. Streptomyces 3730, etalphyllistinoccie. Streptomyces 3730, staphylococcus aureus 7395, enolase substrates binding, metals effects on, yeasts 6544, flavodoxin, riboflavin 5°-phosphate mobility. Megasphaera elsdenii 7302, formyletrarhydrofolales synthetase interaction, formic acid, methylammonium, Clostridium cylindrosporum 2803. fortuitin conformation, Mycobacterium fortuitum 6391. Haemophilus influenzae, polysaccharides, capsules 7438. Helminthosporium carbonum cyclic peptides toxins, conformation 7618, irumamycin, structure 5279, iturin A structure, Bacillus 9774, kinettos, glycorophosphate acyltransferase, reconstitution, phospholipids vesicles 3703. magnesium, interaction, acetyl-CoA carboxylase biotin binding, Escherichia o

magnesium, interaction, acetyl-CoA carboxylase biotin binding, Escherichia coli 4632

4632
malonomicin 4405.
malonomicin 5treptomyces rimosus var.paramomycinus biosynthesis 4406.
peptidoglycans, Brevibacterium divaricatum 7441.
proteinase inhibitor, Streptomyces nigrescens 7306.
Pseudomonas aeruginosa, cytochrome oxidase, magnetic susceptibility 2777.
pyridoxal 5-phosphate binding trytophan synthase, Escherichia coli 4628.
rhamnose, Streptococcus group A 7436.
ribosomal protein L29, ribosomal protein L30 tertiary structure, Escherichia coli 1838.
ribosomal proteins, ribosomal subrunit 505. Escherichia coli 1298.

ribosomal protein L29, ribosomal protein L30 tertiary structure, Escherichia c 1838.

ribosomal proteins, ribosomal subunit 505, Escherichia coli 7298.

soil microorganisms, aceito acid decomposition 8664.

structure, bottromycin A2 9779.

structure, glycoproteins, antibiotic A35512B, Streptomyces candidus 8027.

structure, thiostrepton, streptomyces 8913.

subdilisin inhibitor, Streptomyces 8913.

thymidylate synthase, Lactobacillus cases 2759.

use, austim metabolities structure, Aspergillus ustus, Aspergillus variecolor, Pencillium diversum 4898

N. *Bilaglikyimethyl-1,2-ethanedlamine dioxides, antifungal activity, antibacterial activity, structure-activity relationships, Candida albicans, Escherichia coli, Staphylococcus aureus 7954.

N. *Bilaglikyimethyl-1,2-proparedlamine dioxides, antifungal activity, antibacterial activity, structure-activity relationships, Candida albicans, Escherichia coli, Staphylococcus aureus 7954.

N. *Bilaglikyimethyl-1,2-proparedlamine dioxides, antifungal activity, antibacterial activity, structure-activity relationships, Candida albicans, Escherichia coli, Staphylococcus aureus 7954.

N. *Bilaglikyimethyl-1,2-proparedlamine dioxides, antifungal activity, antibacterial activity, structure-activity relationships, Candida albicans, Escherichia coli, Staphylococcus aureus 7954.

N. *Bilaglikyimethyl-1,2-proparedlamine dioxides, antifungal activity, structure-activity relationships, candida albicans, Escherichia coli, Staphylococcus aureus 7954.

N. *Bilaglikyimethyl-1,2-proparedlamine dioxides, antifungal activity, structure-activity relationships, candida albicans, Escherichia coli, Staphylococcus aureus 7954.

N. *Bilaglikyimethyl-1,2-proparedlamine dioxides, antifungal activity, structure-activity relationships, candida albicans, Escherichia coli, Staphylococcus aureus 7954.

N. *Bilaglikyimethyl-1,2-proparedlamine dioxides, antifungal activity, structure-activity, antibacterial activity, structure-activity relationships, candidates, antifungal activity, antibacterial activity,

biosynthesis, association, nucleosides, Salmonella typhimunum 1962. regeneration systems, bacteria formate dehydrogenase use 4686. NAD 1,

NAD*, analogs inactivation alcohol dehydrogenase, yeasts 4627, binding glyceraldehyde-phosphale dehydrogenase, Bacillus stearothermophilus 6475, NAD kinase, purfication, characterization, Candida utilis 62, NADH, NADH, of the phydrogenase role, methane monooxygense epoxidation alkenes,

Methylosinus 6474. regeneration, Saccharomyces cerevisiae immobilized cells, alcohol dehydrogenase 4601

regeneration, use, Alcaligenes eutrophus hydrogen dehydrogenase+lactate dehydrogenase, immobilized enzymes 8314.

NADH dehydrogenase, immobilized enzymes 8314.

NADH dehydrogenase, catalysis, daunomycin, aclacinomycin A reduction, Vibrio harveyi 4633, isoenzymes, isolation, characterization, cell membranes, Micrococcus luteus 7348, purification, characterization, membrane vesicles, Bacilius subtilis 966, purification, characterization, Thermus aquaticus 4618.

NADP, binding diutamate exists as a the control of the control of

binding glutamate synthase (NADPH), Escherichia coli 5488.

binding tetrahydrofolate dehydrogenase, nuclear Overhauser effect, Lactobacillus case 2785.
recycling, glucose-6-phosphate dehydrogenase, immobilized cells, Escherichia coli
4672

NADPH-cytochrome reductase,

purification, microsomes, Rhizopus nigricans 6468.

+rifamoin, antibiotic antagonism, antibacterial activity, Staphylococcus aureus

Naftifine.

antifungal activity Candida parapsilosis, sterols biosynthesis, ultrastructure

Naja naja slamenals, toxoids, antiviral activity, herpes simplex virus 1 7102.

toxolos, antiviral activity, nerpes simplex virus 1 / 102.

Nalidixic acid,
analogs, antibacterial activity 5187.
analogs, antibacterial activity 7082.
antibacterial activity, Aeromonas hydrophila, comparison, Enterobacteriaceae 9673.

ntibacterial activity comparison, pefloxacin, pipemidic acid, flumequin 8761. antibacterial activity, Enterobacteriaceae, gram-positive cocci 7924. antibacterial activity, gram-negative bacili bacteriuria isolates, man 7073. antibiotic resistance, Escherichia coli, unnary tract clinical isolates 7034. antibiotic sensitivity testing, Campylobacter fetus subsp.jejuni, clinical isolates 6099.

isolates buss comparison, norfloxacin antibacterial activity, Pseudomonas aeruginosa, Staphylococcus aureus 5197.

-EDTA-tromethamine, antibacterial activity, Eschenchia coli 8765 resistance, enhancement mechanisms, genetic analysis, Escherichia coli 7894. resistance, urinary tract clinical isolates, rosoxacin antibacterial activity

5195. susceptibility. Escherichia coli, statistical analysis methodology 1795. Nanaomyclin 4, biosynthesis, Streptomyces rosa var.notoensis 3446. Nandina domestica, nandina stem pitting virus infection 3012. Nandina stem pitting virus, infection, Nandina domestica 3012.

Nandrolone, photoaffinity labelling, Δ5-3-ketosteroid isomerase. Pseudomonas testosteroni

5489 Nannizzia fuiva,

Nannuzzia futva, enzymes biosynthesis, media (culture) 3630.
Nanoamycin, antibacterial activity, Vibrio alginolyticus 1674.
Naphthalene, biodegradation, stereospecificity, Cunninghamella elegans 7019.
Naphthalene oxygenase,
Pseudomonas, purification, characterization 7385. Naphthol, inhibition, nitrification, Pseudomonas, Nitrosomonas, Nitrobacter 7007.

1-Naphthol, levels, fungi, aromatic compounds oxidation 4521.

levels, fungi, aromatic compounds oxidation 4521.

Maphthomyclin A,
biodegradation, Penicillium gladioli, 2,3-dicarboxy-4-methoxy-5-methylbenzoic
acid biosynthesis 12.

Naphthomyclin B,
Streptomyces, isolation, structure 8907.

Naphthomyclin C,
Streptomyces, isolation, structure 8907.

Naphthodylinones,
Celtivatives biosynthesis Mandargonylla baryleidan 6505.

derivatives biosynthesis, Hendersonula toruloidea 6605.

2-Naphthylacetic acid,
antibacterial activity 9660.

antibacterial activity 9000.

8-Naphthylialanine,
induction, ergot alkaloids biosynthesis, Claviceps 6590.
Naphthyli-2-3)-thiazoles,
derivatives, antifungal activity 7092.

Napthalene, oxidation, Cunninghamella elegans, association, glucoronide, sulfate biosynthesis 2391 Naramycin B,

Naramycin s, Streptomyces griseus, isolation, identification, activity 5267. Narcissus, extracts, effects on abscisic acid production, Cercospora rosicola 2732. tobacco rattle virus, detection, enzyme-linked immunosorbent assay, hybridization

nalysis 6808.

Nasopharynx,
epithelium, cell culture methodology, association Epstein-Barr virus 8095.
isolates, antibacterial activity, coltimoxazole, trimethoprim, sulfamethoxazole

medical personnel, Staphylococcus aureus isolation, antibiotic resistance

Nasopharynx, (continued)
antibiotic sensitivity testing 8980,
secretion, man, infection, influenza A virus, respiratory syncytal virus,
immunofluorescence diagnosis 9832. Neisseria gonorrhoeae, (continued)
antibiotic sensitivity testing, clinical isolates 8807.
antibiotic sensitivity testing, penicillin G, tetracycline, spectinomycin,
cefotaxime, cefuroxime 5240. cefotaxime, cefuroxime 5240, antibiotic sensitivity testing, Thailand 7078, antibiotic sensitivity testing, Thailand 7078, antibiotic sensitivity testing, Thailand 7078, antibiotic sensitivity testing 2595, clinical isolates, allabiotic sensitivity testing 2513, clinical isolates, cephalosporins, artibiotic sensitivity testing 5242, clinical isolates, cephalosporins, artibiotic sensitivity testing 5242, detection, methodology, asociation, carbon dioxide 2693, enzyme-linked immunosorbent assay, use diagnosis, gonorrhea 1796. N-formimidoty thenamycin antibacterial activity 776. Nasutitermes extitosus, biological control, Metarhizium anisopliae, pathogens 1966. pathogens, pest control, Metarhizium anisopliae, biological control 7502. Natural selection, Glycine max, disease resistance, Phytophthora magasperma 330. Pseudomonas aeruginosa, virulence, gentamicin antibiotic resistance 6012, reproductive strategy, pathogens, plant diseases, mathematical models 2976. soil microorganisms, reproductive strategy, 2336. M1-m-chlorophenyl-N3-sillyl-a_c-'thiobisformamidine dihydrochloride, disease control, Pisum sativum powdery midew, Erysiphe polygoni 4123. M1-p-chlorophenyl-N3-sillyl-a_c-'thiobisformamidine dihydrochloride, disease control, Pisum sativum powdery midew, Erysiphe polygoni 4123. M2-1,3-dicarboxypropyl)-L-leucine, isolation, Agrobacterium tumefaciens induction crown gall 6390. N,-Dlcyclohexytcarbodilmide, role, gentamicin susceptibility enhancement, Staphylococcus aureus 8854. N,N-Direytoldodecanamine, enzyme-linked immunosorbent assay, use diagnosis, gonorrhea 1796.
N-formindoyt hienamych antibacterial activity 776.
gonorrhea, diagnosis, Limulus lysate test, man 1776.
dentification, media (culture), growth inhibition test 9925.
dentification, methodology 872.
8-lactam antibiotics antibacterial antivity 3401.
8-lactamase detection, assays 5407.
media (isolation), agar 9959.
pili, membrane vesicles, purification, affinity chromatography, methodology 835.
plasmids, antibiotic resistance, penicillin 3270.
temocillin antibacterial activity 2550.
Neisserla meningtitidis,
antibacterial activity 2550. role, gentamicin susceptionity

N.N-Dimethyldodecanamine,
antibacterial activity, relationship, pH, temperature, emollients 5175. Nebramycin, biosynthesis, auxotrophs, mutants, antibiotic resistance, Streptomyces cremeus elaseria meningitidia,
antibacterial activity, macrolide antibiotics 8041.
antibacterial activity, macrolide antibiotics 8041.
antibodies, detection, immunoassays, E.S.R., methodology 9966.
antigens, detection, native aggiutination 2663.
antimicrobial agents, effects on, cell adnesson 6106.
bacteriocins, growth, inhibition 3321.
batch culture, bacteriocins activity expression, recombination 7173.
capsules, polysaccharides, structure 4701.
children blood culture, detection, use, acridine orange, gram stain, methylene hiss 8140. biosynus 8020. Streptomyces coeruleoaurantiacus, production, isolation, characterization 1676. Streptomyces coeruleoaurantiacus sp.nov., biosynthesis 2588. Necrosis, Ascochyta pisi, toxins, role pathogenicity, Pisum sativum 1140. bark, Acer pseudoplatarius, Nectria coccinea, Diplodina acerina, pathogenesis 50/1.
bark, Gnomonia platani, Cylindrocarpon heteronema, Platanus 6920.
leaves, Triftcum, yield reduction, Septoria tritici infection 9368.
Lycopersicon esculentum, Cladosporium fulyum, extracts, enhancement 3100.
Pseudomonas cichorrii, outbreaks, Chrysanthemum morifolium stems, USA, Florida blue 8140. blue 814.0.
endotoxins, Limulus lysate test, assays 289.
extracts, immunogenicity, use vaccines, mice 784.
N-forminidoyt hienamycin antibactenal activity 776.
β-lactam antibiotics antibactenal activity 717.
lactic acid biosynthesis 8206.
meningits, diagnosis, latex agglutination 9957.
meningits, latex agglutination diagnosis, man 3597.
penicillin effects on morphology 738.
polysaccharides, toxoids, immunochemistry, enzyme-linked immunosorbent assay 4430. 5023 Pseudomonas corrugata, incidence, Lycopersicon esculentum stems, USA, Florida Succional Syringae pv.tomato, plants, etiology 3065. tobacco ringspot virus, Malius pumila 6783. tomato ringspot virus, Malius domestica. Xiphinema vectors 4978. Vicia taba, interaction, broad bean leaf roll virus+ pe 4430 enation mosaic virus 7664. Vigna unguiculata, Fusarium equiseti, India 2109. Vigna unguiculata, haustona growth, rust 3922. Viruses, Vigna unguiculata, erivironmental stress, relationship, electrolyte balance 2993. pyrimidines biosynthesis, enzymes activity 8340 rimidines biosynthesis, enzymes regulation 8341. Nematanthus, Corynespora casiicola leafspot 2192. leafspot, Myrothecium roridum 5747. Nematlicides. +fungicides, disease control, black shank, Nicotiana tabacum 4125. Necrotic ringspot virus, localization, pollen, enzyme-linked immunosorbent assay, Prunus 2148. Necrotic yellowa virus, Lactuca sativa, detection, enzyme-linked immunosorbent assay, vectors, Hyperomyzus lactucae 415. pest control, biological control, viruses 1016. Nematoda,

1,3-dichloropropene pest control, relationship viruses reservoirs, Fragaria ananassa disease control 9479.

effects on microorganisms canker pathogenesis, Prunus cerasifera 1212. tungi, Trifolium repens roots invasion 5692.

rhizosphere, vesticular-arbuscular mycorrhizas inhibition, plants 5095. vectors, grapevine fanalest virus infection, Vitis vinifera, disease control 4131. viruses disease transmission, plants, association feeding behavior 1121. Xennorhabdus antibiotics activity 3372.

Nematophagous fungi, host-praste interactions, predator-prey interactions, Panagrellus redivivus 9550.

soil Fine 4214 rectria, decomposition, leaf litter, Abies alba 2301.

Nectria cinnabarina, biodegradation, Acer pseudoplatanus, ecological distribution 4181. blight, disease control, Malus pumila, benomyl, captafol 4120. canker, Gledifisia Iriacanthos, association roots pruning 9525. canker, pathology, Gleditsia triacanthos 2314. canker, pathology, Gleditsia triacanthos 2314.

Mectria coccinea,
bark necrosis, Acer pseudoplatanus, pathogenesis 5071.
fungal flora, Fagus grandifola bark 1438.

Nectria gailligera,
canker, disease resistance, Malus pumila 1357.
disease resistance, benzoic acid production, fruits, Malus pumila 4081.

Nectria haematococca,
biochanin A biodegradation 8434.
infection, Exacum affine, stem rot, wilt 1262.

Needle bilginghinus, India, eradication 5878.
Cylindrocladium macrosporum, pinus, pathogenesis, disease control 7782.
Dothistrona pini, Pinus radiata, monoterpenes, effects on, spore germination 4143. soou.
soil, Eire 4214.
Nematophthora gynophila,
parasites incidence, Heterodera glycines infection, Glycine max 2848.
Neocarzinostatin, radioimmunoassay 9202 Neolsomidecamycin, midecamycin conversion 4414. Neomycin, ambbacterial activity, Chlamydia 9714, ambbacterial activity, Pseudomonas 7975, ambbacterial activity standardization 8855, ambbiotic sensitivity testing, urease positive bacteria 751, biosynthesis, plasmids, Streptomyces fradiae 6160, sensitivity, Streptococcus animal isolates 5193. Neomycin B, desmipating, darvistives politic statistics Needle cast, Rhabdocline, Pseudotsuga menziesii 536. Rhabdocline, Pseudotsuga meruesin Social Bedelicast, Pseudotsuga menziesi Mycosphaerella laricina, Larix decidua, new records, USA 9527. Mycosphaerella laricina, Larix decidua, new records, USA 9527. Phaeocryptopus gaeumannii, infectivity, relationship, Pseudotsuga menziesii developmental stages, USA, Washington 6928. phylioplane microorganisms, fungal fiora, Pinus sylvestris 9521. Pseudotsuga menziesii, Phaeocryptopus gaeumannii, disease control, aerial applications, chlorothalonii, USA, Washington 6979. Pseudotsuga menziesii 2312. Phabdocine pseudotsugae, chemical control, Pseudotsuga menziesii 2312. Prihabdocine weirii subsp. polonga, Rhabdocine pseudotsugae subsp.pseudotsugae, plantations, Pseudotsuga menziesii 5864. deamination, derivatives antibacterial activity, toxicity 5257.

Neomycin sulfate,
separation techniques, USS, Anion exchange resin 2559.

Neonates, cattle, diarrhea, isolation, Escherichia coli, antibiotic sensitivity testing 3283. Nelsseria, antibacterial activity, antibiotic M-92 3428. antibacterial activity, ceftazidime 4367. cefodizme antibacterial activity 7142. norfloxacin antibacterial activity 7057. piperacillin antibacterial activity 8844. antifungal activity, inhibition fungi cell walls biosynthesis, Streptomyces 4396. Neopolyoxins, multiple forms ns, isolation, characterization, Streptomyces cacaoi 7288 Neopurpuratin, Streptomyces propurpuratus, production, factors affecting 5561. Neopurpuratin production, Streptomyces propurpuratus+Bacillus, factors affecting 5561.

piperacillin antibacterial activity 8844.

Nelsaerla gonorrhosee,
antibacterial activity, acrosoxacin 8754.
Antibacterial activity, thorramphenicol, thiamphenicol 756.
antibacterial activity, fully meguine 2425.
antibacterial activity, macquine 2425.
antibacterial activity, menocilide antibiotices 8041.
antibacterial activity, menocilide activity.
antibacterial activity, schoolide 2432.
antibacterial activity, schoolide 2432.
antibacterial activity, encollia 2554.
antibacterial activity, encollia 2554.
antibacterial activity, entibiotice solutivity testing 8637.
antibiotic esistance, antibiotice resistance, antibiotice sensitivity testing 3622.
antibiotic sensitivity testing 3391.
antibiotic sensitivity testing 3391.
antibiotic sensitivity testing 3391.
antibiotic sensitivity testing 3393.
antibiotic sensitivity testing 3393.
antibiotic sensitivity testing 3394.

Nephotettix

transmission, rice tungro virus, rice waika virus, Oryza sativa 6761. vectors, rice gall dwarf virus disease transmission, Oryza sativa 4987

vectors, rice gall dwarf virus disease transmission, Oryza sativa 4987.

Nephotettix nigropictus,
disease transmission, nce gall dwarf virus, Oryza sativa 1162.
vectors, rice tungro virus, Oryza 4951.

Nephotettix virescens,
vectors, disease transmission, rice tungro virus, chemical control, plant
extracts, oils 7737.
vectors, disease transmission, rice tungro virus, Oryza sativa 360.
vectors, rice tungro virus, disease control, insecticides 6847.
vectors, rice tungro virus, Oryza 4951.
vectors, tungro virus, disease control, pest resistance, Oryza sativa 5548.
Nepovirus,
elimination, meristem tip culture. Vits vinifera 3134.

elimination, meristem tip culture, Vitis vinifera 3134

biosynthesis, enzymatic activity, Rhodotorula glutinis 3723. Net blotch,

Hordeum vulgare, fungicides effects on Pyrenophora teres 7770.

Netherlands, man, Escherichia coli fecal microflora isolates, drug resistance 703. new records, Xylaria oxyacanthae decay, Crataegus monogyna fruits 1057. Salmonella isolates, antibiotic resistance, incidence 5161. Solanum tuberosum, Phytophthra infestans infection, association metalaxyl stance 6795

resistance 6795. **Netlimicin**,
antibacterial activity 4358.
antibacterial activity 7168.
antibacterial activity, bacteria clinical isolates, media analysis 7074.
antibacterial activity, Serratia marcescens 4384.
antibacterial activity, Staphylococcus aureus 7152.
antibiotic synerosim, azicolliin, Pseudomonas aeruginosa 8849.

nutagenicity testing, chemical 8149. mycelia breakage methodology, mitochondria, vacuoles isolation 4536. pyruvate dehydrogenase multienzyme complexes, purification, characterization

ubiquinol-cytochrome c reductase, characterization, isolation, electron

microscopy 6486.

Neurospora crassa,
ADP, phosphoenolyruvate, fructose-1,6-diphosphate, valine binding pyruvate

catechol oxidase, structure, spectroscopy, mechanisms, reviews 6549.
DNA, isolation, methodology 4511.
3-enolpyruvoylshikimate-5-phosphate synthase, N-(phosphonomethyl)glycine inhibition 4668.

inhibition 4686
enzymes, use, oranges, extraction, oils, protein 8483.
galactomannan characterization, isolation 1950.
gultamate dehydrogenase (NADP*1), kinetics, ammonium, rubidium activation 4620.
Myo-inositol-1-phosphate synthase glucose-6-phosphate dehydrogenase
fractionation, characterization 78.
nickel resistance, toxicity, cobalt, copper, magnesium 7906.
polyloploylgutamate synthetase, purification, characterization 67.
production, cellulase, ethanol, use, cellulose 4740, protoplasts, antitungal activity, antibiotics, detection methodology 5440.
pyrtuvate kinase variants, purification, characterization 5495.
ribosomal proteins biosynthesis regulation 4562.

Neurospora tetrasperme,
6-phosphofructokinase stimulation, fructose 2,6-bisphosphate role 9130.
Neurotoxins,
Clostridium botulinum, urea effects on activity 5661.

Neurotoxins,
Clostridium botulinum, urea effects on activity 5661.
Escherichia coli, serological tests, edema diagnosis 3885.
phytoalexins, Lolium perenne, response fungi inflection 3955.
purfication, amino acid composition, Clostridium botulinum type E 9300.
purfication, amino acid composition, Clostridium botulinum type F 9301.
purfication, physicochemical properties, clostridium botulinum 7635.

Neutralization,
assays exturn antibodies papparium (region) 1765.

leutralization, assays, serum, antibodies, parvovirus (canine) 1765.
detection antibody response, avian infectious bronchitis virus, chickens 9014.
enterotoxins, vibrio cholerae, Escherichia coli 2957.
plaque assay, poliovrus 6298.
Staphylococcus aureus, media (culture), recovery, methodology 5425.
use, enterotoxins characterization, Escherichia coli, Vibrio cholerae 7634.
varicella-zoster virus companison herpesvirus (simian), infection pathology 1756.
lautron activation anglieties.

Neutron activation analysis, characterization, Ustilago scitaminea races, Saccharum officinarum smut 6760.

New species,

Clostridium, acetic acid production 4572. New Zealand,

alfalfa mosaic virus, plant diseases, host range 9317.
Chionochloa rigida grassiands soil, assays, β-D-fructofuranosidase, amylase, pH effects on 9565.

pH effects on 95cs.

Chionochica rigida grasslands soil, assays, amylase, β-D-fructofuranosidase, buffers 9564.

Eucalytrus, leafspot, fungi 7706, fungi, antifungal agents resistance 7880. new records, plant diseases, fungi 322. phosphonates soil, relationship, bacteria 1469.

New Zealand, (continued)

ew zealand, (continued) Pinus radiata, Pseudotsuga menziesii, Eucalyptus, Nothofagus, Leptospermum, mycorrhizas 7774. plants diseases, fungi, new records 3899.

plants, pathogens, fungi, new records 326.
plants, plant yrruses, host range, arabis mosaic virus, tomato spotted wilt virus

6731.

Tomato yellow top virus infection, Lycopersicon esculentum, new records 9435.

Newcastid disease, vaccines, aerosols, antibody response, chickens 7188.

Newcastid disease virus, esculentus, antiviral activity, food wastes fermentation, Lactobacillus acidophilus, Saccharomyces cerevisae 7595.

antiviral activity, quaternary armonium compounds 1571.

vaccines, agglutination tests, methodology 2648.

vaccines production, immunity, chickens 1687, vaccines, production immunity, brickens 1687, vaccines, production methodology effects on efficacy, chickens 8923.

Niches.

Niches, denitrifying bacteria 5110.

Nickel.

Nickel,
Bacteroides susceptibility 681.
effects on ectomycorrhizas, growth 3189.
resistance, toxicity, cobalt. copper, magnesium, Neurospora crassa 7906.
toxicity, Achyla, Saprolegnia, Cunninghamella blakesleeana, Aspergilius clavatus,
Aspergilius flavus 1565.
Nickel suffate.

Azotobacter, effects on nitrogen fixation 2368 Nickle(II),

substitution, effects on aminopeptidase activity, Aeromonas proteolytica subsp.proteolytica 8277

Nicotiana.

callus, production, phytuberin, phytuberol, association, Pseudomonas solanacearum

resistance, association, modification enzymeno.

Pseudomonas aeruginosa, Enterobacteriaceae 640.

Neuraminidase,
Bacteroides finglisis, isoelectric focusing, electrophoresis, activity 7377.
Bacteroides finglisis, isoelectric focusing, electrophoresis, activity 7377.
Pseudomonas fluorescens, induction, disease resistance, pseudomonas fluorescens, induction, disease resistance, conduction, Streptococcus sanguis, endocarditis isolates, isolation, characterization 7372.

Neurological complications, food poisoning, man, Aspergillus fumigatus mycotoxins, contamination, bread 2947.

Neurons,

Neurons,

Neurons,

Interferon, infection inhibition, vesicular stornalitis virus, its serving principal articans, Araceae 9420, infectivity, germinivirus, DNA clones, nucleotide sequence role 9370. Its sues ultrastructure, transmission, cassava latent virus mosaic disease, Manihot esculenta 1315. infection 6943. disease resistance, black shank, Phytophthora parasitica, genetic analysis 1340. disease resistance, blue mold, powdery mildew, wildfire, plant breeding 1339. Pseudomonas fluorescens, induction, disease resistance 3131. Pseudomonas fluorescens, induction, disease resistance 3131.

cymbidium ringspot virus cytopathology 4035.

Nicotiana clavelandli,
cymbidium ringspot virus cytopathology 4035.

Cymbidium ringspot virus infection, effects on, peroxisomes, vesicles, formation 4027.

viczi.

Nicotiana debneyl,

× Nicotiana giutinosa, hybrids, proteins, relationship, tobacco mosaic virus, resistance 1334.

resistance 1334.

Nicotians glauca,
extracts, cucumber mosaic virus RNA defection 5783.
pathology, stem rot, Rhizopus arrhizus 5762.

Nicotians glutinose,
antiviral agents, e-interferon, simulation nucleotides biosynthesis,
antiviral adentis, chibacco mosaic virus 7746.
glycoproteins, defense mechanisms, viruses infection, poly(I)-poly(C)+cyclic
AMP+cyclic GMP, activation 3136.

× Nicotiana debneyi, hybrids, proteins, relationship, tobacco mosaic virus,
resistance 1334
tobacco mosaic virus infection, antiviral agents induction 5818.
tobacco mosaic virus infection, yeasts extracts inhibition 6887.
turnip mosaic virus infection, yeasts extracts inhibition 6887.
Nicotiana rustica,

Nicotiana rustica,
age effects on rhizosphere microorganisms 7795.
transmission (mechanical), potato yellow dwarf virus, density variability 6805. tobacco mosaic virus infection, yeasts extracts inhibition 6887

Nicotiana sylvestris, infection, tobacco mosaic virus strains competition 9449.

infection, tobacco mosaic virus strains competition 9449.

Nicotiana tabacum,
antiviral agents, c-interferon, simulation nucleofides biosynthesis,
antiviral agents, c-interferon, simulation nucleofides biosynthesis,
antiviral adentivit, tobacco mosaic virus 7746.

black shank, disease control, fungicidesi-nematicides 4125,
black shank, Phytophthora parasitica var.nicotianae, temperature, rainfall,
effects on, pathogenesis 3050.

blue mold, Peronospora tabacana, spores release, disease spread, wind 4995,
blue mold, Peronospora tabacana, spores release, disease spread, wind 4995.
cell membranes peroxidation, Carcospora ricotianae cerospoprin role 9442,
crown gall, Agrobacterium tumefaciens Ti plasmid DNA analysis 7690.
Cucumber mosaic virus, infection, effects on, chlorophylis, starch, cells,
ultrastructure 3078.

urrastructure 3076.

cuttivars, susceptibility, oucumber mosaic virus 2168.

disease resistance, disease control, potato virus X, ribavirin,
5-azadihydrouracil 2271.

disease resistance, Erysphe cichoracearum, white mold 4091.

disease resistance, bot-pathogen interactions, tobacco mosaic virus 2170.

disease resistance, role, N° gene, association, tobacco mosaic virus coat protein

disease resistance stimulation, models, tobacco mosaic virus 8617. disease resistance, tobacco mosaic virus, callus deposition, role boron 1377. DNA organization, Agrobacterium tumefaciens crown gall 2202. elimination tobacco mosaic virus, temperature effects on 457.

fatty acid composition, phospholipids, hypersensitive response, tobacco mosaic virus 7741.

virus 7/41.
glycoproteins, purification, callus culture, agglutination, Phytophthora parasitica, Pseudomonas solanacearum 1351.
hypersensitive response, disease resistance, tobacco mosaic virus 1374.
hypersensitive response, disease resistance, tobacco mosaic virus 3110.
hypersensitive response, Pseudomonas pisi, RNA biosyrthesis inhibition 5787.
hypersensitive response, tobacco mosaic virus, 2-chlorethylphosphonic acid,

```
Nicotiana tabacum, (continued)
salicyclic acid, effects on 4095.
inheritance tobacco mosaic virus disease resistance, plant breeding 3115.
leaves, post-harvest decay, Botryosporium longibrachiatum 9454.
leaves, Pseudomonas pisi inflection, hypersensitive response association mesophyll
                                                                                                                                                                                                                                                                                                                                                                                   Nitrate reductase, (continued)
purification, characterization, Bacillus stearothermophilus 2804.
Rhizobium, measuning techniques 1507.
Nitrate reductase (NAD(P)H),
I Hansenula anomala, assimilation, electron transfer, distribution 6517.
purification, characterization, Hansenula anomala 5502.
Nitrate reductase (NADH),
Trifolium subterraneum, mycorrhizas symbiosis effects on 6997.
              leaves, Pseudomonas syringae pv.tabacı, lipopolysaccharides, association, encapsulation 3064. 
leaves, tobacco mosaic virus infection, heat balance, energetics 1288. 
leaves, tobacco mosaic virus infection, ultrastructure localization 4033. 
leaves, tobacco mosaic virus infection, ultrastructure localization 4033. 
leaves ultrastructure, hypersensitive response, Pseudomonas pisi 6790. 
lignin biosynthesis, hypersensitive response, tobacco mosaic virus 4080. 
microflora, antifungal agents effects on 496. 
Peronospora hyoscyami infection, susceptibility, metalaxyl 4126. 
Peronospora hyoscyami infection, susceptibility, metalaxyl 4126. 
Peronospora hyoscyami infection, susceptibility, metalaxyl 4126. 
Potoxidase, role disease resistance, tobacco mosaic virus, potato virus X, infection, inclusion bodies, induction, structure 1238. 
Potato virus X, tinfection, inclusion bodies, induction, structure 1238. 
Potato virus X, tobacco mosaic virus, brome mosaic virus, 
2,4-dioxobexahydro-1,3,5-trazine-guandine antiviral activity, 6886. 

potato virus Y, disease transmission, vectors, Aphididae 9400. 
potato virus Y infection, association disease resistance, Meloidogyne incognita 9433.
                 leaves, Pseudomonas syringae pv.tabacı, lipopolysaccharides, association,
                                                                                                                                                                                                                                                                                                                                                                                      Trifolium subterraneum, mycorrhizas symbiosis effects on 6997. 
Nitrate reduction,
                                                                                                                                                                                                                                                                                                                                                                                             analysis, soil, anaerobiosis conditions 7845.
nitrogen cycle, soil properties, measuring techniques 4231.
soil, association, tillage, crop production (no-tillage), USA, Maryland, USA,
West Virginia 5950
                                                                                                                                                                                                                                                                                                                                                                                    Nitrate-reducing bacteria,
Nitrate-reducing bacteria,
contamination, animals feeds, yeasts nitrate-reducing bacteria 1085.
growth, refrigeration, lettuce, radishes 3836.
                                                                                                                                                                                                                                                                                                                                                                                      Nitrates
                                                                                                                                                                                                                                                                                                                                                                                             nutrition effects on cucumber green mottle mosaic virus replication, Cucumis
                                                                                                                                                                                                                                                                                                                                                                                                       sativus 2183
                          9433
                                                                                                                                                                                                                                                                                                                                                                                      Glycine max nodules, effects on Rhizobium japonicum nitrogenase 1501. 
Nitric-oxide reductase,
                 potato virus Y infection, epidemiology 4046.
potato virus Y infection, relationship disease resistance, Meloidogyne incognita
                                                                                                                                                                                                                                                                                                                                                                                              denitrification, hydroxylamine, pyruvic oxime, Alcaligenes, soil 596
                                                                                                                                                                                                                                                                                                                                                                                          dentrification, hydroxylamine, pyruvic oxime, Alcaligenes, soil 596. 
Ittrification, acetylene pressure effects on, soil 617. 
activated sludge, growth kinetics 5299. 
aerobic digestion, sewage sludge 5302. 
Aspergillus, ntrogen sources, soil 9584. 
autotrophic bacteria, heterotrophic bacteria, acetylene effects on 594. 
carbaryl, naphthol, inhibition, Pseudomonas, Nitrosomonas, Nitrobacter 7007. 
forests, association succession, trees 4140. 
forests, terrestrial ecosystems, association, nitrogen cycle 513. 
Glycine max nodules, nitrate effects on 8693, 
inhibitors, bacteriostasis 2405. 
mathematical models, films, reactors 8057. 
mathematical models, films, reactors 8057. 
mathematical models, films, reactors 8057. 
mithying bacteria, arbicides effects on 9619. 
nitrifying bacteria, arbicides effects on 9619.
              9432
proteins, hypersensitive response, tobacco mosaic virus 3081.
proteins, hypersensitive response, tobacco mosaic virus, tobacco ringspot virus, tobacco rattle virus, potato leaf roll virus, infection 7701.
protoplasts, secretions, inhibition, tobacco mosaic virus, replication 3114.
Pseudomonas piss infection, hypersensitive response 4980.
Pseudomonas piss infection, hypersensitive response 4980.
Pseudomonas replication, factors affecting host-parasite interactions 5816.
screening, disease resistance, tobacco etch virus infection 1382.
soil, water potential, effects on, Phytophthora parasitica var.nicotianae, infection 9393.
tissue culture, Agrobacterium tumefaciens binding, crown gall 2977.
tissue culture, digitonin effects on virulence, mycoplesma-like organisms 2175.
tissue culture, digitonin effects on virulence, mycoplesma-like organisms 2175.
tissues, tobacco necrosis virus infection, peroxidase, laccase, ribonuclease, induction 316.
                         9432
                          induction 318.
                 induction 316.

Tobacco mosaic virus infected, methodology, isolation, double-stranded RNA 3897 tobacco mosaic virus infection, antiviral activity, EDTA treatment 511. tobacco mosaic virus infection, economic importance, yield, relationship, disease
    resistance 9395. tobacco mosaic virus infection, leaves protoplasts 3041. tobacco mosaic virus infection, effects on, yield, USA, North Carolina 9396. tobacco mosaic virus insculation, polyanions, polycations infection 4989. tobacco mosaic virus, replication, pathogenesis 4058. tobacco mosaic virus replication, ribonuclease inhibition 6865 treatment, metalaxyl, blue mold, Peronospora hyosycami 2287. tumors, Agrobacterium tumefaciens crown gall, morphology, genetic control 7689. white mold, disease resistance, Erysiphe cichoracearum 4074. Micotinaridenucleotide amidase, purification, characterization, Aspergillus 6457. Nicotinarioancharacterization, Aspergillus 6457.
                         resistance 9395.
                                                                                                                                                                                                                                                                                                                                                                                                       5968
                                                                                                                                                                                                                                                                                                                                                                                 soil microorganisms, inhibition, carbon disulfide, 4-amino-1,2,4-triazole hydrochloride, 2-chloro-6-(trichloromethyl)-pyridine 9624.
soil properties, soil microorganisms 8667.
soil, relationship, soil amendment, animal wastes, ammonium sulfate 7834.
soils (acad), Comferales forests, Nitrobacter 1446.
systems, activated sludge, growth suspensions 4433.
Triticum, soils (loam), Iertilizers (slow release) effects on 621.
wastewater treatment 5286.
Nitrifying bacteria,
Carbaryl nitrifying bacteria, inhibition nitrification 1063.
carbon disulfide emulsions effects on 9553.
films, bioreactors, fluidity, porosity 9059.
heavy metals effects on ammonification, nitrification, soil pollution 4238.
immobilized cells, electrodes, introgen dioxide detection 9055.
immobilized cells, electrodes, una detection 1804.
nitrification, forests, association succession, trees 4140.
nitrification, herbicides effects on 9619.
                                                                                                                                                                                                                                                                                                                                                                                              soil microorganisi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ns, inhibition, carbon disuffide, 4-amino-1,2,4-triazole
     Micothric acid,
biosynthesis, Fusarium moniliforme, indole-3-acetic acid, tryptophan, effects on 1841.
                  nutrient requirements, Sesbania rhizobium 9577.
     Niger,
Oryza sativa, incidence, Xanthomonas campestris pv.oryzae blight 9355.
     Nigerazine B,
Aspergillus niger, metabolites, structure, characterization 8338.
       Nigeria,
               candidiasis incidence, man, methodology 1812.
              Carumassis insources, man, membourby 1012.
Cucumeropsis edulis, mosaic disease, viruses etiology, isolation, characterization 4025.
Streptococcus group G serotyping 1773.
wells, microbial pollution, public health, man, coliforms 8067.
                                                                                                                                                                                                                                                                                                                                                                                           nitrification, forests, association succession, trees 4740.
nitrification, hizosphere inhibition, Juniperus procera, forests 3223.
nitrification, wastewater treatment 5286.
seasonal variations, association, Fagus forests, soil nitrogen mineralization
    Nigericin, role, gentamicin susceptibility enhancement, Staphylococcus aureus 8854. Nigroapora, colonization, Sorghum bicolor stalks, roots 5715.
                                                                                                                                                                                                                                                                                                                                                                                                     4137
                                                                                                                                                                                                                                                                                                                                                                                             sewage oxidation 5327.
wastewater treatment, denitrification, factors affecting 9797.
wastewater treatment, dissolved oxygen effects on continuous culture reactors
    Contraction, Sorgium blood states, 1905 975.

Nigrospora spheerics,
crown rot, Musa sapientum, pathogenicity 395.
leafspot, Cymbopogon martini 3985.

Niktomycin,
production, streptomycas, mycelia, immobilized cells 1685.

Nilaparvata lugens,
dieaces transmission, grassy sturt virus. Cryza sativa 4955.
                                                                                                                                                                                                                                                                                                                                                                                   7705.

Nitrilotriacetic acid, biodegradation, microorganisms, seasonal variations, water salinity effects on, aquatic environment 2876. biodegradation, water hardness effects on, activated sludge 2611. biodegradation, water hardness effects on, activated sludge 2612. marine pollution, sewage effluents, biodegradation, marine microorganisms, bacteria, 5223.
              disease transmission, grassy stunt virus, Oryza sativa 4952.
plant diseases, Fusarium oxysporum, biological control 3719.
  Nipegin,
antimicrobial activity, semen cryopreservation media contamination 1591.
Niridazole,
antibacterial activity, aerobic bacteria, anaerobic bacteria 3328.
                                                                                                                                                                                                                                                                                                                                                                                                         acteria 5323
                                                                                                                                                                                                                                                                                                                                                                                   Nitrite.
                                                                                                                                                                                                                                                                                                                                                                                          IKTTE, association, bacteria nitrogen fixation inhibition 5124. 
control, Clostindium botulinum, cuired products, reviews 4821. 
formation, bacteria, spoilage, spirach 435. 
Glycine max nodules, effects on Rhizobium japonicum nitrogenase 1501. 
inhibition, Clostridium botulinum growth, toxigenicity, organoleptic properties,
            Itrate, 
+benomyl+calcium oxide, integrated control, Fusarium oxysporum f.sp.lycopersicl, 
wilt, Lycopersicon esculentum 4108. 
+calcium oxide+benomyl, integrated control, Fusarium oxysporum f.sp.lycopersici, 
wilt, Lycopersicon esculentum 4107. 
effects on, Pachysolen tannophius, fermentation, xylose, glucose 7534. 
effects on Rhizobium mellioti, nodules development, Medicago sativa 3239. 
effects on soil microorganisms, hydrocarbons gas production, anaerobic conditions 
0557.
                                                                                                                                                                                                                                                                                                                                                                                           sausages 303.
interaction, lactoferrin, transferrin, inhibition, Bacillus cereus, sporulation
                                                                                                                                                                                                                                                                                                                                                                                                     3329
                                                                                                                                                                                                                                                                                                                                                                                3329.
Mitrite reductase (NAD(P)H),
Wolinella succinogenes, purification, characterization 9166.
Mitrite reductase (NADH),
iron-sulfur centers, E.S.R., Escherichia coli 73.
9567.
Glycine max nodules, effects on nitrification 8693.
inhibition Rhizobium trifolii attachement roots, trifolium repens 4242.
Lactuca sativa, effacts on Glomus mosseae symbiosis 5903.
levels, soil properties, seasonal variations, agricultural practices 8684.
malus, effects on viruses infecton 3027.
rutrition, effects on, viruses infectod, Malus pumila 389.
reduction, Thiobacillus denitrificans, entrapment, agarose 874.
role, Clostridium growth inhibition, sliage fermentation 6681.
soil amendment, foliar applications, effects on, Glomus mosseae symbiosis, Zea mays 4204.
source, effects on soil denitrification 2375.
Nitrate reductase,
Clostridium perfringens, strains comparison 5500.
denitrification, hydroxylamine, pyruvic oxime, Alcaligenes, soil 596.
                      9567
                                                                                                                                                                                                                                                                                                                                                                                 Nitrite reduction,
                                                                                                                                                                                                                                                                                                                                                                                 analysis, soil, anaerobiosis conditions 7845.

Nitroanilines,
Pseudomonas, biodegradation 5581.
                                                                                                                                                                                                                                                                                                                                                                                 Nitroaromatic compounds, sewage, transformation, microorganisms 5288. Nitrobacter,
```

Irrobacter, carbanyl, aphthol, inhibition, nitrification 7007. carbanyl, naphthol, inhibition, nitrification 7007. immobilized cells, oxygen electrodes, use, sodium nitrite sensors 5430. nitrification inhibition, ritrosphere, Juniperus procera, forests 3223. nitrification, soils (acid), forests, Coniferales 1446.

Nitrobacter agills, nitrification, soil reactors 2357

Nitrogen cycle, (continued) Nitrobacter wingogradskyl, nitrification, acetylene effects on 594. Nitrobacter winogradskyl, + Nitrosomonas europaea, mixed cult chlorite, effects on 5106. microorganisms, conferences 908.
Azotobacter, solar eclipse effects on 2370. Azotobacter, solar eclipse effects on 2370.
biogeochemistry, regulation, soil microorganisms, agricultural ecosystems 3221.
clay, soil microorganisms effects on vegetation 603.
decomposition, leaf list eclipse of the control of a, mixed culture, nitrification, sodium chlorate, sodium Nitrofen, pesticide re idues, biodegradation, persistence, mobility, soil microorganisms, anada 8704 Nitrofuran, paddy fields soil, effects on nitrogen fixation, heterotrophic bacteria 619, resistance, Fusarium oxysporum, association closed circular DNA 656. Nitrofuran reductase, characterization, Escherichia coli 7316. Salmonella typhimurium, isolation, characterization 9180. pressis, terresurar ecosystems, nitrification association 513.

grasslands 2372.

lakes, USA, Washington, volcanoes, environmental impact, effects on bacteria
5122. Nitrofurans,
Escherichia coli, cross-resistance, aminoglycoside antibiotics 7045. Nitrofurantoin, bacteria urinary tract isolates, antibiotic sensitivity testing, antibiotic resistance 4287.
drug resistance, Escherichia coli mutants 3276.
resistance, association, Vibrio cholerae lysis, Tris+EDTA treatment 7927.
sensitivity, Strepticoccus animal isolates 5193.
Staphylococcus clinical isolates, susceptibility 3281.
susceptibility, Escherichia coli, statistical analysis methodology 1795.
Nitrofurazone,
drug resistance, Escherichia. leaf litter decomposition, Coffea plantations 3218. leaf litter decomposition, forests 2306. leaf litter decomposition, forests 2308. leaf litter decomposition, soil microorganisms 2362 leat litter decomposition, soil incroorganisms 2002.

nutreet reduction, soil properties, measuring techniques 4231.
nutrient dynamics, plantations, Theobroma cacao 3222.
nutrient sources, plantations, Theobroma cacao 3219.
rain forests 2307. rain rorests 2307.
Rhizobium japonicum symbiosis, Glycine max 8701.
Rhizobium, solar eclipse effects on 2370.
savannahs 2376.
savannahs 5099. drug resistance, Escrenture w. Mitrogen, assimilation, association, nodulation Glycine max 606. atmosphere, photochemistry, environmental impact 604. constituents, Penicillium commune 4714. containing cations complex, amitbacterial activity 7921. content, soil, measuring techniques, books, conferences 9098. deficiency, association, Aspergillus candidus extracellular proteolytic enzymes biosynthesis 1933. drug re esistance, Escherichia coli mutants 3276 savannetts 3093-soil, Finland, N-(phosphonomethyl)-glycine effects on 5972. soil microorganisms, biomass labelling, nitrogen-15 2339, soil microorganisms, Medicago sativa saponine effects on, peat 2355. soil microorganisms, propham+medinoterbacetate effects on 7012. USA, Alaska 7849. Nitrogen dioxide, biosynthesis 1933.
effects on incidence, bunt, Neovossia indica, Triticum aestivum 1159.
effects on Oryza sativa, susceptibility, leaf blight, Xanthomonas campestris pv. oryzae 6750.
fertilization, effects on mycorrhizas, Pinus sylvestris 3163.
fertilizers content, effects on Phytophthora nicotianae var.parasitica buckeye rot, Lycopersicon esculentum 9445.
fertilizers, effects on Deguminosae nitrogen fixation 5105.
fertilizers, effects on Trifolium repens nitrogen fixation, yield 2364.
fertilizers, firects on Trifolium repens nitrogen fixation, yield 2364.
fertilizers, fungicides, disease control, mildew, brown rust, Hordeum vulgare ection, electrodes, nitrifying bacteria immobilized cells 9055. iltrogen fixation, acetylene reduction, measuring techniques, soil, forests 7835, acetylene reduction, seasonal vanations, cultivars effects on, Glycine max 9581, actinorfhizas, nodules, seasonal vanations, diurnal vanations, soil temperature effects on, Ceanorhus velutinus 9513.

Aeschynomene indica, growth conditions, Fihizobium 3244, analysis, isotopes methodology, leguminosae 5131.

Arachis hypogaea, yeld, fertilizer applications effects on 6994.
Azospirillum pasuleriae, association Setaria italica life cycle 8702.
Azospirillum brasileriae, Azotobactier chrococcum, rhizosphere, yield, Zea mays, Sorghum bicolor 1500.
Azospirillum brasileriae, Azotobactier chrococcum, rhizosphere, yield, Zea mays, Azospirillum brasileriae, Azotobactier chrococcum, rhizosphere, yield, Triticum aestivum 9602 Nitrogen fixation, leaching, fungi mycelia, leaf litter decomposition, Collembola grazing effects on Sorghum bicolor 1500.

Azospirillum brasilense, inoculation, rhizosphere, yield, Triticum aestivum 9602.
Azospirillum brasilense, nitrogenase, purification, characterization 6505.
Azospirillum, inoculation, yield, Triticum aestivum, Triticum turguldum 9599.
Azospirillum, rhizosphere, inoculation effects on, yield, Zea mays 9598.
Azospirillum, pilzosphere, ipomoea battasa 9594.
Azospirillum, solis (saline), India 7840.
Azotobacter chrococcum, seed reatments, effects on yield, Cyperus rotundus 34.12. Hevels, Arachis hypogaea, Glomus fasciculatus effects on 6949. levels, Medicago sativa, genotypes, nitrogen fixation, Rhizobium meliioti 605. levels, salt marshes soil, effects on denitrification 2367. levels, soil, relationship, Pseudomonas paucimobilis growth, nutrition, ATP levels, solit, relationship, Pseudomonas patientholis grown, humbon, ATP production 4218. levels, storage conditions, Pseudomonas marginalis soft rot, post-harvest decay, tomatoes 9453. limitations, continuous culture, batch culture, Clostridium acetobutylicum, 8677 imitations, continuous culture, batch culture, Clostridium acetobutylicum, imitations, continuand, acetone 8393.

Malus, association viruses infection effects on amino acids 4974, metabolism, Vitis vinifera, frost+midew disease resistance 7688, mineralization, forests, disturbance, nutrient dynamics 6901.

mineralization, forests soil 523.
mineralization, fung, forests nitrogen cycle 514, mineralization, Pseudomonas copacia, grazing, association, Mesodiplogaster, Acanthamoeba polyphaga, effects on 614, mineralization, sewage studge land disposal, salimity effects on 6955. mineralization, soil acidification, forests, mathematical models 4138, mineralization, soil resist prosts, association, nitrifying bacteria, ammonifying bacteria, seasonal variations 4137. mineralization, soil microorganisms, nutrient cycles, soil 6996. mineralization, soil properties, forests 6895. mineralization, soil properties, forests 6895. mineralization, soil fractioner, mycelia, organic matter 5949. Azotobacter chroococcum, seeds inoculation, Zea mays 4233 Azotobacter chroococcum, soil inoculation, nitrogen sources, Zea mays 4232. Azotobacter, nickel sulfate effects on 2368. Azotobacter paspali, nitrogen-15, measuring techniques, rhizosphere, Paspalum notatum 9609. Azotobacter, sodium molybdate effects on 3233.
Azotobacter, use fertilizers 607.
Azotobacter vinelandii, antibiotic resistance mutants 9618. Azotobacter vnelandii, antibiotic resistance mutants 9618. Bacillus, Brazil soil 5961. Bacillus polymyka, Azospirillum brasilense, nitrogen-15 dilution, rhizosphere, Tritcum aestivum 9587. bacteroids, ammonia assimilation, nodules, Trigonella foenum-graecum 3242. bogs 3213. books 8180 Campylobacter nitrofigilis sp.nov., Spartina alterniflora 7856. Casuarina equisetifolia, Frankia: Glomus mosseae, effects on 3215. Cicer anietimm, association, Azospriflum brasilense: Phizobium 5963. Cicer anietimm, Rhizobium nodulation 6989. 2359 Cicer areienum. Rhizobium nodulation 6989.

Clostridium butyncum, straw 3216.

comparison, acetylene reduction, conversion factors, soil, water content, nitrogenase activity, effects on 7005.

Cyanophyta association Oryza sativa, deep water, Philippines 2358.

Cyanophyta, Oryza sativa, USSR 7846.

Cyanophyta, Rhizobiaceae, conferences 6361.

Diplachne fuscar hizosphere microorganisms, soil isolates 592.

efficacy, Egypt, Arab Rep. deserts nitrogen-fixing bacteria 9607.

efficiency, Rhizobium japonicum rodulation, Glycine max 7833.

enhancement, molydenum, Azotobacter vinelandii 3211.

Escherichia coli, plasmid pRD1 transfer, Enterobacter cloacae 5113.

estimation, isotopes dilution methodology, field trials, greenhouses trials 5126.

Frankia aini actionorhizas, Alnus rubra 5958.

glutamate synthase, association, glutamate synthase, role, ammonia assimilation 5939. 2359.

10 nutrient dynamics, Rhizobium, hydrogen production, Vigna unquiculata 4247.

10 nutrient sources, rhizosphere microorganisms, plant communities, nuval zone 4213.

10 nutrient status, mycornizas, Glomus fasciculatus, Boutelelous gracilis 1485.

10 nutrient status, mycornizas, seasonal variations, Gramıneae 1490.

11 nutrient uptake, nitrogen fixation inhibition, Leguminosal 8685.

12 nutrition effects on, Fusarium oxysporum f.sp.lycopersici wilt, Lycopersicon Truduluri ellects or, rusarium oxysporum r.sp.iycopersici wirt, Lycopersicon esculentum 411. nutrition, Triticum aestivum, role, nitrogen-fixing bacteria, rhizosphere microorganisms 7006. nutrition, Zea mays, Triticum aestivum, role, Azospirillum brasilense biomass packaging, potatoes, spoilage, psychrophilic bacteria 4883. peat, nutrient levels, mineralization, bogs, particle size, soil microorganisms 8697. production, leaf litter decomposition, bacteria, Fagus sylvatica, coniferales, association, climate 2021. ermoval, facultative bacteria, wastewater treatment 5331. soil fertility, relationship Laetisarta fuoriformis infection, Lolium perenne 3357. S939.
Glycine max, association ureides 2365.
Glycine max, Glomus mosseae inoculation effects on 4184.
Glycine max, Glomus mosseae inoculation effects on 4184.
Glycine max, Glomus mosseae inoculation effects on 4184.
Glycine max, notduse, enzymes effects on, Phizobium japonicum 8694.
Glycine max, nodules, Rhizobium japonicum, hydrogen uptake effects on 7009.
Glycine max, illage effects on 5130.
Hordeum rhizosphere, rhizoplane, relationship, Spirillum lipoferum 4241.
inhibition, bacteria, association nitrite 5124.
inhibition, nitrogen urtrient uptake, Leguminosal 8685.
interaction carbon clioxide fixation, Glycine max 4236.
Klebsiella pneumoniae, association, nitrogensee, nif gene 1495.
Klebsiella pneumoniae, introgensee activiry, mechanisms 5935.
Leguminosae, association, carbon flux 5938.
Leguminosae, books 8177.
Leguminosae, ifree, fertilizer applications, phosphorus effects on 517.
Leguminosae, israel 5346.
Leguminosae, introgen fertilizers effects on 5105. storage conditions, fishery products, effects on, Pseudomonas, Moraxella, Lactobacillus 8498. uptake, Cenococoum graniforme, glutamate dehydrogenase (NADP+) activity, purification 6464. purincation device, propertition, soil microorganisms 599.

Nitrogen balance,
leaf litter decomposition, Pinus sylvestris 3161.

soil, association crop production (no-lillage), Zea mays 6986.

soil, deniritying bacteria, urine effects on 2371.

soybean mosaic virus, effects on, Glycine max, Glycine soja 8533. Nitrogen cycle, agncultural ecosystems, Oryza sativa 3224. agnicultural ecosystems, plantations, Coffea 3217. aquatic ecosystems, terrestrial ecosystems, factors affecting, soil

Leguminosae, nitrogen fertilizers effects on 5105.
Leguminosae, Rhizobium japonicum, hydrogen production, recycling 5936.

```
Itrogen fixation, (continued)
Leguminosae, role Rhizobium 600.
Leguminosae, role Rhizobium 600.
Light wavelength effects on, Trifolium repens 9589,
measurement, Rhizobium, Glycine max 5129,
measuring techniques, Olycine max, field trials 5962,
measuring techniques, nitrogen-15 dilution 9610,
measuring techniques, nitrogen-15 field trials, Glycine max, Vicia faba 9611,
measuring techniques, rhizosphere, nitrogen-15 9608.
Medicago sativa, water stress effects on 4234,
metalavyl, Dowco 444, seed treatments effects on, disease control, Phytophthora
megasperma 1.sp. glycineae, Glycine max 3624,
metham furnigation inhibition, Glycine max 3251,
mung beam yellow mosaic virus infection inhibition, Vigna radiata 1144,
Myrica carifera, understory, plantations, Pinus elliottii 585,
Myrica gale roots nodules, oxygen concentration 7859,
nitrogen-fixing bacteria, inoculation, Lupinus 5962,
nitrogen-fixing bacteria, untrient dynamics, decomposition, Pseudotsuga menziesii
516.
Nitrogen fixation, (continued)
        hitrogen-fixing bacteria, Prosopis glandulosa, deserts 3210.

nitrogen-fixing bacteria, Rhizobium, genetic analysis, crops 9604.

nitrogen-fixing bacteria, rhizosphere, conferences 10008.

nitrogen-fixing bacteria, rhizosphere, orchards, Artocarpus heterophyllus, Areca 9595.
         nitrogen-fixing bacteria, rhizosphere, Sorghum blcolor, Pennisetum americanum 9612.
        9012.

nitrogen-fixing bacteria, soil, forests ecosystems, reviews 9511.
nitrogen-fixing bacteria soil isolates, cobalt stimulation 3236.
nodulation, Alnus rubra, interaction Populus, biomass, mixed culture,
stiviculture 9512.
         nodulation, Elaeagnus umbellata, calcium hydroxide, soil amendment effects on
        nodulation, fast-growing Rhizobium japonicum, Glycine soja 4249,
nodulation, mixed culture, Aracicis hypogaea, Gramineae 4250,
nodulation, pkosphorus fertilizer applications, shading effects on, Inga jinicuil
        nodulation, Rhizobium, carbon sources utilization, photosynthesis, Vicia faba
         nodulation, Rhizobium meliloti, carbon dioxide concentration, effects on, light
        intensity, Medicago sativa 9586.

nodulation, soil compaction, precipitation effects on, Glycine max 6999.

nodules, respiration, water stress effects on, Glycine max 1499.
       nutrient dynamics, carbon, nitrogen, Rhizobium, hydrogen production, Vigna unguiculata 4247.
       unguiculata 4247.

nutrient sources, agricultural ecosystems, Inga jinicuii, Coffea 3226.

Oryza sativa, Sesbania rostrata manure effects on 4240.

paddy fields soil, pesticides effects on, heterotrophic bacteria 619.

Parasponia rigida, oxygen uptake, nodulation, Rhizobium 3243.

Paspalum notatum var batatais 4246.

Phaseolus vulgaris, planting density effects on 6983.

Pisum sativum, symbiosis, Rhizobium leguminosarum 7852.

plants nodules, association Rhizobium japonicum 1511.

harts nodules. Espakia strains entroaceae, activiti, 4230.
     plants nodules, association Huzzobium japonicum 1511. 
plants nodules, Frankia strains nitrogenase activity 4239. 
plasmids plants plan
    3229.

Rhizobium meliloti, Medicago 2377.
Rhizobium meliloti, nitrogen levels, genotypes, Medicago sativa 605.
Rhizobium meliloti, photosynthesis carbon sources effects on, Medicago sativa
    9978.

Rhizobium, nitrogen-15 distribution, bacteroids, nodules, Leguminosae 9615.

Rhizobium, nodulation, inoculation, Vicia angustifolia, Vicia villosa 6992.

Rhizobium phaseoli, glutamine synthetase, nitrogenase, nodules, Phaseolus vulgaris 6985.

Rhizobium phaseoli, inoculation, Phaseolus vulgaris, land reclamation, mines 5108.
     Rhizobium phaseoli, phosphorus uptake, Glomus fasciculatus, Phaseolus vulgaris
    Nizobium, salinity, effects on, growth, soil 597.
Rhizobium, seeds inoculation, Arachis hypogaea 9591.
Rhizobium, strains, inoculation, host range, Glycine max, Vigna mungo, Vigna unguiculata, 8679.
    unguiculata, 8679.
Rhizobium, symbiosis, Hedysarum coronarium, Israel 5947.
Rhizobium trifolii mutants, soil 2354.
Rhizobium trifolii, symbiosis, Trifolium repens 7003.
Rhizobium trifolii, Trifolium incarnatum, heritability 7829.
Rhizobium, Trifolium subterraneum, Medicago truncatula 2366.
Rhizobium, utilization carbon sources, photosynthesis, energy budget, Glycine max
```

```
Nitrogen fixation, (continued)
soil, bacteria, USSR 2361.
soil chemistry, acidity, agricultural land, Leguminosae 5956.
soil microorganisms, companson Leguminosa 601.
soil microorganisms, detection, use, acetylene reduction 2373.
soil microorganisms, pollution effects, 2,4-D, pesticide residues 9621.
soybean mosaic virus, effects on, Glycine max, Glycine soja 8533.
Trifolium incarnatum genotypes, relationship, Rhizobium trifolii strains nodulation 7847.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Trifolium incarnatum, lines variation, Rhizobium trifolii experimental infection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        430.
Trifolium repens, acetylene reduction, diurnal variations 609.
Trifolium repens, association Rhizobium host range specificity 602.
Trifolium repens, introgen fertilizers effects on 2364.
Trifolium repens, introgen-fixing bacteria, grasslands, pollution effects, heavy metals, Trifolium repens, Firdiium pratense, pasture 6981.
Trifolium repens, Trifolium pratense, pasture 6981.
Typha angustata, assays, India 7851.
Vicia faba nodules, Rhizobium 3231.
Vigna mungo, Rhizobium, relationship, hydrogen uptake 7002.
Vigna unguiculata, cowpea banding mosaic virus infection effects on 5691.
Zea maws, roots, stems 8699.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Zea mays, roots, stems 8699.
Zostera marina, roots, rhizomes 8698
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Zostera marina, roots, rhizomes 8699.

Nitrogen (Iquid),
cryopreservation, fungi, methodology 6345,
freezing, storage, yeasts, culture collections 8150,
fungi, storage, culture collections 4540,
storage, Diplocarpon rosae conidia 3629.
Nitrogen reductase,
Bacteroides fragilis, purification, characterization 8267.
Nitrogen removal,
industries waste water, phosphorus treatment 5319.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        industries waste water, phosphorus treatment 5319.

Nitrogen acources,
ammonium, continuous culture methodology, Mycobacterium avium 8114,
analysis, Rhodospirillum rubrum illumination, hydrogen production 8366.
Aspergiilus, nitrification, soil 9584.
Azospirillum brasilense, effects on acetylene reduction 7838.
Brevibacterium flavum, Corynebacterium glutamicum, lysine biocynthesis 3656.
crop residues decomposition, soil microorganisms, uptake, triticum aestivum 7001.
ectomycorrhizas, absorption, nutrient transport, trees 9505.
effects on Acremonium chrysogenum, cephalosporin C, proteinase, biosynthesis
6140.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        effects on biochemical oxygen demand determination 9802.
effects on, Erwinia chrysanthemi, leaf blight, Philodendron selloum 1298.
effects on Nocardia fructiferi biosynthesis, ristomycin, proteinase, pigments
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2090.
effects on Rhodotorula gracilis lipids biosynthesis 7464.
gelatin hydrolysis, proteinase, Aspergillus sojae 8309.
Geotrichum candidum, triacylglyearel lipase production 7320.
glutamic acid, Gluconobacter suboxydans, glutamine synthase characterization 5526.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5526
metabolism, yeasts, soil isolates 5897.
mycorrhizas, absorption, nutrient transport, Ericales 9538.
Phanerochaete chrysosporium, effects on cellulose biodegradation 3770.
Phanerochaete chrysosporium, effects on lignin biodegradation 2880.
soil microorganisms, urea fertilizer applications, nitrification 5968.
Zea mays, Azotobacter chroococcum inoculation soil, nitrogen fixation 4232.
Nitrogen-fixing bacteria,
activity, Gramineae, acetylene reduction 1497.
Alnus rubra nodules, measuring techniques, acetylene reduction, gas exchange
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Alnus rubra nodules, measuring techniques, acetylene reduction, gas exchange 1496, antibacterial activity, pesticides, Eichlomia crassipes isolates 8770. Azotobacter chroococcum, symbiosis, Cyperus rotundus 5948. foliar applications, Oryza sativa, paddy fields 5121. growth, enumeration, isolation, Oryza sativa rhizosphere, spermosphere use 3616. inoculation, hritrogen fixation, Lupinus 5952. inoculation, Sorghum bioclor seedlings roots, carbon compounds exudates 4243. Leguminosae nodulation, conferences 7004. Lupinus angustifolins, nodules, cobalt effects on, cobalt, Lupinus angustifolins, nodules, cobalt effects on, cobalt, Lupinus angustifolins, nodules, effects on nitrogen-fixing bacteria 3241. nitrogen fixation, Phylosphere 9590. nitrogen fixation, Phylosphere 9590. nitrogen fixation, Phylosphere, conferences 10008. nitrogen fixation, phylosphere, conferences 10008. nitrogen fixation, ribrosphere, conferences 10008. nitrogen fixation, ribrosphere, conferences 10008. nitrogen fixation, roots nodules, ammonium effects on, Alnus incana 3220. nitrogen fixation, paddies, paddies, necessary, reviews 9511. nitrogen fixation, 2sa mays, roots, stems 8699. nitrogen fixation, 2sa mays, roots, stems 8699. nitrogen fixation, Zea mays, roots, stems 8699. nitrogen reviews 9690. nitrogen reviews 9690. nitrogen reviews 9690. nitrogen reviews 9690. nitrogen reviews 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    rhizosphere, Gramineae 9600.

rhizosphere microorganisme, role, nitrogen nutrition, Triticum aestivum 7006.
rhizosphere, nitrogen fixation, genetic analysis, crops 9604.
rhizosphere, nitrogen fixation, orchards, Artocarpus heterophylius, Areca 9595.
rhizosphere, nitrogen fixation, Sorghum bicolor, Pennisetum americanum 9612.
soli isolates, nitrogen fixation, costal stimulation 3228.
species composition, deserte, Egypt, Arab Rep., nitrogen fixation officacy 9607.
symbosis, Cratylia floribunda, growth stage effects on 3232.
symbosis, Zea mays, screening 7008.
Trifolium repens nitrogen fixation, grasslands, pollution effects, heavy metals
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Vicia faba, gibberellic acid effects on 9601.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Vicia raba, giborerinic acid entres oi 1901.

Nitrogen-15,

dilution, measuring techniques, nitrogen fixation 9610.

distribution, bacteroids, nodules, Leguminosae 9615.

measuring techniques, nitrogen fixation, Azotobacter paspalii, rhizosphere,
Paspalum notatum 9609.
9603.

Phizobium, Vigna, roots, shoots, genotypes 3234.

Phizosphere, genetic analysis, Onyas sativa 8682.

Phizosphere microorganisms. Trificum aestivum roots exudates effects on 4237.

Phizosphere sediments, sulfate-reducing bacteria, Zostera marina 2356.

Rhodopseudomonas sphaeroides 1.5p. dentifrilicast, dentrificastion effects on 5125.

soil amendment, urine, urea, Trifolium repens, pasture 3240.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    measuring techniques, nitrogen fixation, Glycine max, Vicia faba, field trials
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  measuring techniques, nitrogen fixation, rhizosphere 9608, soil microorganisms, biomass labelling, degradation, nitrogen cycle 2339.
```

Nitrogenase, activity, Frankia strains, nitrogen fixation, plants nodules 4239. activity, Gilycine max, nodules, Rhizobium japonicum 7010. activity, nitrogen fixation, rhizosphere, Sorghum bicolor, Pennisetum americanum Nocardia paraminics, methylketone, production, association, alcohols 7460. Nocardia restricta, abenol conversion, (12Z)-labda-12,14-dien-17α-oic acid 6617. lactamides, alkaloids, I.R. spectroscopy 8373. activity, Oryza sativa roots 8695. activity, Rhizobium japonicum, roots exudates, Glycine max, Vigna unguiculata Actinosynnema mirum biosynthesis 6260.

Nocardicin A,

+ mecilinama, antibacterial activity, cytolysis, inhibition protein biosynthesis,

Escherichia coli 2555. ema mirum biosynthesis 6200. 3225.
activity, Rhizobium leguminosarum nitrogen fixation, Strophostyles helvola defoliation effects on 5127.
activity, Rhizobium mutants, Cicer arietinum 7854.
activity, Rhizobium, nodules, relationship extracellular polymers, Vigna radiata, Cicer anetnum 8678.
activity, Rhodopseudomonas capsulata, genetic control 19.
activity, soil, effects on acetylene reduction conversion factors, comparison, nitrogen fixation 7005.
bacteria, assays, immunofluorescence 930.
bosynthesis, Rhodopseudomonas palustris, relationship, culture concentration Rhodopseudomonas capsulata 3687.
Clostridium pasteunanum, colfactors, iron, molvbdenum, sulfur, levels 4593. specificity, cell cycle, Schizosaccharomyces pombe 690. biological control, Bacillus thuringiensis 5559. biological control, baculovirus 998. pest control 1041. Oryza sativa, basal rot, Fusarium oxysporum, pathogenicity 3951. Oryza sativa, basal rot. Fusarium oxysporum, pathogenicity 3951.

Nodulation,
Alnus glutinosa, Frankia, actinorrhizas, growth 5967.
Arachis hypogaea, genetic analysis, Rhizobium 7015.
Arachis hypogaea, seedlings, Cercospora arachidicola leafspot effects on 341.
Cicer anethum, Rhizobium mutants 7564.
Eliaeagnus umbellata, nitrogen fixation, soil amendment, calcium hydroxide effects on 1506. Rhodopseudomoras capsulata 3697.
Clostindium passin anum colaterus, iron, molybdenum, sulfur, levels 4593.
Clostindium passin anum colaterus, iron, molybdenum, sulfur, levels 4593.
General, transcription, Phizobium meillofi, nodulation, Medicago sativa 3228.
Iron protein, iron-sulfur centers content, activity, Azotobacter vinelandii 7420.
Iron protein, radioactive labeliing, Rhodopseudomonas capsulata 3693.
Klebssella pneumoniae nitrogen fixation 1495.
Klebssella pneumoniae nitrogen fixation, activity, mechanisms 5935.
purification, characterization, nitrogen fixation, Azospirillum brasilense 6505.
redox properties, Azotobacter vinelandii 9162.
Rhizobium japonicum, Glycine max nodules, nitrite, nitric oxide, effects on 1501.
Rhizobium phaseoli, nitrogen fixation, nodules, Phaseolius vulgaris 6985.
subunts composition, activation, inactivation effects on, Rhodospirillum rubrum
76. un 1506. Glycine max, association, Rhizobium intraspecific relationships 9605. Glycine max, introgen assimilation association 606. Glycine max, Rhizobium japonicum characterization, sodium chloride tolerance 6976. Glycine max. Hnizobium japonicum, nitrogen fixation efficiency 7833.

Glycine max. Rhizobium japonicum, nitrogen fixation efficiency 7833.

Glycine max. Itiliage effects on 5130.

Leguminosae, Rhizobium phasaoli, strains competition 4245.

Leguminosae, Rhizobium phasaoli, strains competition 4245.

Lens escuienta, Rhizobium leguminosarum competitiveness 3235.

Leucaena leucocephala, rhizosphere microorganisms, Rhizobium 5959.

light wavelength effects on, Trifolium repens 5939.

Macrotyloma uniflorum, solation, screening, Rhizobium 2360.

Medicago sativa, Librus comiculatus, Rhizobium soils inoculation 5128.

Medicago sativa, Rhizobium mellioti, nitrogenase, genes, transcription 3228.

Medicago sativa, Rhizobium mellioti, nitrogenase, genes, transcription 3228. 76
2-Nitronaphthofuren, derivatives, antiviral activity, Rous sarcoma virus transformation, chickens embryo ceils 3362.

n-Nitrophenetol, biodegradation, Bacillus, Pseudomonas 2013.

1-Nitropyeree, transformation, anaerobic bacteria, intestinal microflora, man 2024.

1-Nitropyere reductase, assays, fluorometry, Salmonella typhimurium 5021.

Nitroseroccus oceenus, methane oxidation 4267. methane oxidation 4267.
Nitroaofungin,
Streptomyces plicatus, synthesis 9791.
Streptomyces plicatus, synthesis 9791.
Streptomyces plicatus, synthesis 9791.
Carbaryl, naphthol, inhibition, nitrification 7007.
nitrification inhibition, rhizosphere, Juniperus procera, forests 3223.
Nitroaomonas europeae,
cytochrome o multiple forms, purification, characterization 5479.
cytochrome o oxidase, purification, characterization 5524.
hydroxylamine oxidase, mechanisms, heme P-450 reaction carbon monoxide, hydrogen
peroxide 8282.
immobilized cells, nitrification, ammonium oxidation 9063.
methane oxidation 4267.
nitrification, acetylene effects on 594.
nitrification, soil reactors 2357.
Nitrobacter winogradskyl, mixed culture, nitrification, sodium chlorate, sodium
chlortus ecid.
Nitrous ecid. sinvolutire 9012.

nitrogen fixation, fast-growing Rhizobium japonicum, Glycine soja 4249.
nitrogen fixation, mixed culture, Arachis hypogaea, Gramineae 4250.
nitrogen fixation, phosphorus fertilizer applications, shading effects on, Inga nitrogen fixation, Rhizobium, carbon sources utilization, photosynthesis, Victa faba 615. faba 615.

ntrogen fixation, Rhizobium meliloti, light intensity, carbon dioxide, concentration effects on, Medicago sativa 9586.
pH, effects on, Rhizobium meliloti, Medicago sativa 3238.
Rhizobium, Aeschynomene stems, charactierization 7836.
Rhizobium, Cajanus cajan, yield, growth 9506.
Rhizobium, Cioera arretinum, growth, ntrogen fixation 6989.
Rhizobium, Galega infection, taxonomic significance 8696.
Rhizobium, Glycine max, Glycne soja, Vigna unguiculata 3230.
Rhizobium, growth rate, competition, temperature effects on, Vigna unguiculata 9588. Nitrous acid, extraction, +agglutination, diagnosis, Streptococcus pharyngitis, man 9905 extraction, +aggiunnation, diagnosis, streptococcus pharyngitis, man 3905 Mitroua xide, microorganisms 1968, measuring techniques, soil denitrification, temperature association 612, production, denitrification, fertilizer applications, soil properties, grasslands 9588
Rhizobium inoculation, nitrogen fixation, Vicia angustifolia, inoculation 6992.
Rhizobium isolates, Cajanus cajan, Cicer aretinum 7821.
Rhizobium japonicum, effects on pathogenicity, Phytophthora megasperma f.sp. glycinea, root rot, Glycine max, 5689.
Rhizobium japonicum, Glycine max, introgen fixation assays, methodology 8690.
Rhizobium japonicum, host range, cultivars, Glycine max 7841.
Rhizobium japonicum, miduction chlorosis, Arachis hypogaea 7828.
Rhizobium japonicum, role capsules polysaccharides, Glycine max 3237.
Rhizobium japonicum, yield, Glycine max 9580.
Rhizobium, Leguminosae, herbicides application effects on 8688.
Rhizobium, leguminosae roots ethylene biosynthesis, sulfur fertilizers effects on 1503. osso.
reduction, soil properties, redox potential, soil pH 8703.
Nitrous oxide reductase,
purification, characterization, Pseudomonas perfectomarinus 916.
Nizin, adsorption, silica 8019. Streptococcus lactis, biosynthesis, inactivation 2587. Streptococcus lacins, biosynthesis, inactivation 2587.

Nocardia,
ansamitocin biosynthesis 4422.
antibacterial activity, β-lactam antibiotics 2503.
antibiotic sensitivity testing, aminoplycoside antibiotics, β-lactam
antibiotics 2517.
biodegradation, PCB 2895.
biosynthesis, antibiotic X-14868 6208.
cycloheplanone biodegradation 2014.
epoxidation, propylene, metabolism 7482.
fungioides biodegradation 4782.
fungioides biodegradation 4782.
fungioides biodegradation 4783.
hydroxynethylgilutaryl-CoA reductase (NADPH) inhibitor hydroxylation 8455.
like, Mycobacterium isolation, soil, Zaire 3193.
media (culture) effects on cholesterol biodegradation 2893.
pristane conversion pristanol 5994.
pristane metabolism characterization, pristanol biosynthesis 4720.
Flhodococcus, identification, use, bleomycin, sensitivity 671.
siderochelin A isolation 1651.
steroid 9α-monoxygenase, purification, characterization 976.
Nocardia asteroides,
β-lactam antibiotics, antibiotic sensitivity testing 3384.
Nocardia erythropolis, Rhizobium leguminosarum, nitrogen fixation, association, Pisum sativum genotypes 5951 Rhizobium leguminosarum nitrogen fixation, Strophostyles helvola defoliation effects on 5127. effects on 5127.

Hizobium leguminosarum, relationship, plasmid pl.11008 transfer 595.

Hizobium leguminosarum, relationship, plasmid pl.11008 transfer 595.

Hizobium, Medicago satiwa, association, Fusarium oxysporum infection 5114.

Hizobium, nitrogen fixation, Parasponia rgidia, oxygen uptaka 3243.

Hizobium phaseoli, Phaseolus vulgaris, Pseudomonas syringae subsp.phaseolicola halo blight effects on 7652.

Hizobium phaseoli, specificity, Phaseolus coccineus, Phaseolus vulgaris 598.

Hizobium, seeds incoulation, Arachis hypogaea 9514.

Hizobium, soil amendment effects on, yield, Glycine max 9582.

Hizobium trifolii, ammonium nitrate tolerance effects on 7855.

Hizobium trifolii, ammonium nitrate tolerance effects on 7855.

Hizobium trifolii strans, Trifolium incarnatum genotypes, relationship nitrogen fixation 7847. Rhizobium trifolii strains, Trifolium incarnatum genotypes, relationship nitrogrifixation 7847.
Rhizobium trifolii, Trifolium repens, hydrogen, gas production 3245.
Rhizobium, Vigna sinensis, phoric acid effects on 4251.
root hairs, role indole-3-acetic acid, Rhizobium, Leguminosae 1509.
soil pH, phosphorus effects on, Alnus glutinosa 555.
Trifolium repens, Rhizobium trifolii strains, inoculation 608.
Trifolium repens, Rhizobium trifolii strains, inoculation 608.
Trifolium subcertaineum, competition, Rhizobium trifolii 5116.
Vigna unguiculata, cowpea banding mosaic virus infection effects on 5691.
Vigna unguiculata Phaseoulus vulgaris, crop tratation, growth 1504, yield, bacteria infection effects on, Trifolium repens, Medicago sativa, Cicer anetinum 2266.

Nocardia paraffinica,

biosynthesis, ristomycin, proteinase, pigments, nitrogen sources, carbon sources, effects on 2590.

Nocardia mediterranei, recombinants, rifamycins biosynthesis 6164. rifamycin B biosynthesis, pH effects on 6165. rifamycins derivatives biosynthesis, association 4-substituted 3-amino-5-hydroxybenzoic acid 1628.

Nocardia opacca, fensulfothion biodegradation 7538.

Nocardia erythropolis, enzymes, sterois biodegradation 1948. enzymes, sterois blouegram

Nocardia fructifera,
proteinase isolation, characterization 9186.

ocules, actinorrhizas, nitrogen fixation, seasonal variations, diurnal variations, soil temperature effects on, Ceanothus velutinus 9513.

Alnus, Actinomycetes isolation, antibiotic sensitivity testing 664.

Alnus glutinosa, plasmids, Frankia 560.

Alnus incana, nitrogen fixation, ammonium effects on 3220.

arietinum 2226

Nodules, (continued)
Alnus rubra, nitrogen-fixing bacteria, measuring techniques, acetylene reduction, gas exchange 1496.
Basuidiomycetes, ectomycorrhizas, Rubus 3208.
Cajanus cajan, hydrogen release, Rhizobium japonicum nitrogen fixation 7858.
Cijera raietnium, Rhizobium symboisis effects on 5966.
Gilycine max, enzymes effects on introgen fixation, Rhizobium japonicum 8694.
Gilycine max, nitrification, nitrate effects on 8693.
Gilycine max, Rhizobium japonicum antibiotic resistance isolates 651.
Gilycine max, Rhizobium japonicum, hydrogen netabolism 6979.
Gilycine max, Rhizobium japonicum, hydrogen uptake effects on nitrogen fixation 7009.
Gilycine max, Rhizobium japonicum, nitrogenase activity, protein biosynthesis Glycine max, Rhizobium japonicum, nitrogenase activity, protein biosynthesis 7010. Glycine max, Rhizobium japonicum nitrogenase, nitrite, nitric oxide, effects on 1501. 1501.

Lupinus angustifolins, nitrogen-fixing bacteria, cobalt effects on 3241.

Medicago sativa, Rhizobium meliloli, transposon 5. mutants, ultrastructure 7848.

nitrogen fixation, respiration, water stress effects on, Glycine max 1499.

nitrogen-15 distribution, nitrogen fixation, Rhizobium, Leguminosae 9615.

Pisum sativum, cytokinins levels, Rhizobium leguminosarum 5120.

plants, nitrogen fixation, association Rhizobium aponicum 1511.

plants, nitrogen fixation, Frankia strains nitrogenase activity 4239.

Rhizobium, bacteroids structure, nitrogen fixation, enzymes, Medicago sativa 9613 Bhizobium, hydrogenase activity, Leguminosae 7837.
Bhizobium mellioti, development, nitrate effects on, Medicago sativa 3239.
Bhizobium phaseoli nitrogen fixation, glutamine synthetase, nitrogenase.
Phaseolus vulgans 6985.
Bhizobium trifoli bacteroids, scanning electron microscopy, Trifolium repens 8676 roots, nitrogen fixation, Myrica gale, oxygen concentration 7859.
Trigonella foenum-graecum, ammonia assimilation, bacteroids, nitrogen fixation 3242. ultrastructure, Glycine max roots, Rhizobium japonicum infection 3928. Vicia faba, Rhizobium, nitrogen fixation 3231. Nodulosporium, fungal flora, Fagus grandifola bark 1438. Tungal nora, Fagus granulus ball vi lungal nora, Fagus granulus ball vi Momuraer Flayl, pathogens, biological control, Lepidoptera 1010.

Non-fermentative gram-negative bacteria, antibacterial activity, ciprofloxacin 9661.

clinical isolates, identification, API test, Oxi Ferm tube test, Minitek test Oxi G Nontarget organisms,
Bombyx mon, baculovirus pathogenicity, biological control 9207.
pathogens, biological control, safety regulations, Mammalia 1025.

Noramide, tiviral activity, influenza virus, chick embryos 9692. Norfloxacin, antibacterial activity 2426 ambacterial activity 2440. ambbacterial activity 2440. ambbacterial activity 8760. ambbacterial activity, 8760. ambbacterial activity, comparison, nalidixic acid, cinoxacin, oxolinic acid, antibacterial activity, comparison, nalidixic acid, cinoxacin, oxolinic acid, Pseudomonas aeruginosa, Staphylococcus aureus \$197.
antibacterial activity, Enterobacteriaceae 9636.
antibacterial activity, Enterobacteriaceae 9636.
antibacterial activity, gram-negative bacili 702c.
antibacterial activity, gram-negative bacili 702c.
antibacterial activity, gram-negative bacili 102c.
antibacterial activity, oram-positive bacteria, gram-negative bacili 702c.
antibacterial activity, Pseudomonas aeruginosa, gram-negative bacteria 7057.
antibacterial activity, Pseudomonas aeruginosa, Staphylococcus 7091.
antibacterial activity, Pseudomonas aeruginosa, Staphylococcus 7091.
antibacterival activity, 9671.
antibacterival activity, 9671.
antibicitic resistance, Pseudomonas aeruginosa, Escherichia coli, media (selective) 2404.
antibicitic resistance, Pseudomonas aeruginosa, Escherichia coli, media (selective) 2404.
antibicitic resistance, Pseudomonas aeruginosa, Escherichia coli, media (selective) 2404.

antibiotic sensitivity testing, quality control 9672. disc-diffusion test, standardization 3324.

Norleucine,

Norleucine,
+tyrosine, media (culture), identification, Clostridium difficile 9907.
North America,
comparison, Europe, Verticillium albo-atrum, virulence, Medicago sativa, field
trials 8559.
deserts, soli, cryptogams characterization 5887.
isolation, potato virus S strains, Aphididae disease transmission, association,
Chenopodium quinoa 8629.

Chenopodium quinos oscillatores (Chenopodium) (Appendium) (Appendi

meat industry, carcasses, bacteria food contamination 5618.

Nose, clinical isolates, Staphylococcus aureus, antimicrobial agents sensitivity 3313. sprays, thirmerosal preservatives, Pseudomonas cepacia survival 7118.

sprays, trimerosa preservatives, r-seudomonas capacia surviv Nesocomial environments, arborne microorganisms, function, man 2636. clinical isolates, trimethoprim drug resistance 2399. man, varicella, airborne microorganisms, disease spread 3490. medical equipment, respirators, bacteria contamination 9823. sanitation, disinfectants aerosolts 806. Staphylococcus aureus, antibiotic resistance, methicillin 3301.

Staphylococcus aureus, antibiliotic resistance, menticinin 350°.

Nesocomali infection,
association, Enterobacteriaceae drug resistance, R factors analysis 1541.
association, man, disinfection, hospitals 3508.
bacteria, man, disease control, environmental syglene 3495.
bacteria, umrary tract, incidence, man, environmental hygiene 8074.
clinical isolates, Pseudorinonas aeruginosa pyocine typing 1781.
man, association medical equipment, reviews 2639.

Nothofagus, mycorrhizas, New Zealand 7774. Novobiocin.

ovoblocin, adsorption, carbon (activated), association purification 6230. artibacterial activity, pH effects on 6228. artibacterial activity, Staphylococcus, clinical isolates 8804. artibacterial activity testing, Staphylococcus saprophyticus 8879. bacteria cell injury 5280. bacteria cell injury 5280. biosynthesis, acthromycetes, role nuclease, proteinase, α-amylase 7123. drug resistance, Aeromonas salmonicida subsp.salmonicida, temperature effects on 5167.

effects on ethylene production, soil microorganisms 5907, inhibition, replication, cytomegalovirus infected embryo fibroblasts 2489, media (selective), Salmonella 3596.

Noxythiolin.

NOXYMIOHI, antibacterial activity 6040. Auclear Overhauser effect, Helminthosporum carbonum cyclic peptides toxins, conformation 7618, tetrahydrofolate dehydrogenase binding NADP*, thioNADP*, Lactobac

Nuclear polyhedrosis virus,
Autographa californica, enzyme-linked immunosorbent assay detection, in vivo, in
vitro 8104.

biological control, adjuvants, efficacy, Heliothis zea 6595. biological control, Adoxophyes orana, association granulosis virus effects on

biological control, Adoxophyes orana, association granulosis virus effects on Cydia pomonella 8354.
biological control, Adoxophyes orana larvae 8358.
biological control, Heliothis zea 996.
biological control, Heliothis zea 996.
biological control, Insecta, safety studies, animal models 4710.
biological control, lorgeda, safety studies, animal models 4710.
biological control, Operophthera brumata 9213.
biological control, Orgyla pseudostugata, Pseudotsuga menziesii 8352.
biological control, Orgyla pseudostugata, Pseudotsuga menziesii 8352.
biological control, Torphoplusa ni, Brassica oleracea, crop fields 6596.
deltamethrin, synergism, biological control, Mamestra brassicae, Spodoptera
ittoralis 9208. littoralis 9208

littorals 9208.

epizodiology, soil, Mamestra brassicae 1470.
Heliothis zea, pest control, Heliothis 1041.

fieldiblis zea, pest control, Heliothis 1041.

identification, use, monocloral antibodies, methodology 2652.

infection, enzyme-linked immunosorbent assay detection, Trichoplusia ni 2656.

infection, Heliothis armigera confertus, rearing methodology 1738.

infection, transmission, eggs, hatchability, Hyphantria cunea 1044.

isolation, methodology, soil 1763.

pathogens, sprays, adjuvants, biological control, Heliothis zea 5547.

pest control, Heliothis virescens 7224.

pest control, Heliothis virescens, Cicer arietinum extracts, feeding behavior stimulants 6598.

post control, realizations vitescens, cicer areaman extracts, reducing behavior stimulants 5599.

U.V. radiation inactivation, effects on infectivity, Lymantria dispar 2487.

U.V. radiation protection virulence, pest control, biological control, Lymantria dispar 7475.

Nuclease, role antibiotics biosynthesis, actnomycetes 7123. Staphylococcus aureus, thermal stability, role viability, food processing 266.

ice, frost damage, bacteria, plants 4130. Nuclei,

Nuclei, ice, activation, bacteria, cryoinjury, Zea mays, Erwinia herbicola, biological control 8643. ice, activation, biological control, Erwinia herbicola, inhibition, Pseudomonas syringae, cryonipury, Zea mays 8642. ice, formation, activity, smoke, effects on, Pseudomonas syringae pv.syringae, Erwinia herbicola 8527. Nucleic actic-binding protein, amino actific actions of the protein protein, amino actifications of the protein protein.

amino acid sequence, bovine leukemia virus 7297. Nucleic acids,

Nuclecic acids, hybridization analysis, antiviral agents activity measurement, cytomegalovirus DNA biosynthesis 8798.
levels, mushrooms, mushroom poisoning relationship 1961.
metabolism, Solarum tuberosum, potato virus X infection effects on 2187.
potato spindle tuber virodi, extraction methodology, gel electrophoresis 8101.
substances identification, Streptomyces aureofaciens 8202.
Nucleoproteins,
yeasts, separation techniques, RNA, proteins 9119.
Nucleoside monophosphate kinase,
Saccharomyces cerevisiae, purification, characterization 6513.
Nucleoside Michael Strephale Strephale

Nucleosides.

analogs, antiviral activity, cytomegalovirus 9687.
analogs, antiviral activity, Epstein-Barr virus replication 9688.
analogs, inhibition viruses replication 3352.

analogs, inhibitori viruses replication 3352.

5'-Nucleotidase,
use, inosine biosynthesis, Bacillus subtilis mutants 122.

Nucleotida sequenca,
gerninivirus DNA clones, role, Nicotiana benthamiana infectivity 9370.
homology, Bacteroides, clindamycin resistance 6013.

Nucleotidae,
biosynthesis, Propionibacterium shermanii immobilized cells 113.
filtration, high-pressure liquid chromatography, bacteria 876.
insertion, yeasts, mutants, methodology 1808.
tobacco mosaic virus antiviral activity, biosynthesis simulation, antiviral
agents, a-interferon, Nicotiana glutinosa, Nicotiana tabacum 7746.

Nutrient availability.

agents, a-interferon, Nicotiana glutinosa, Nicotiana tabacum 7746.

Nutrient availability,
effects on bacteria, cooling water systems surfaces contamination 4451.
effects on pathogenicity, Gaeumannomyces graminis var.tritici, take-all, Triticum
aestivum 3013.
ervironmental stress, competition, sclerotia germination, fungi, soil 9573.
metals, chelates, sewage sludge, digestion (anaerobic) 8947.
phosphorus, Glorous fasciculatus uptake, carbohdyrates levels, roots, Trifolium
subterraneum 9576.
phosphorus, Glorus fasciculatus uptake, carbohdyrates levels, roots, Trifolium
subterraneum 9576.
phosphorus, nutrient uptake, endomycorrhizas, Malus pumila, Allium porrum,
Tagetes patulus 9544.
sulfur, soil microorganisms, leaf litter decomposition, acid rain, pollution
effects 9507.

effects 9507. Nutrient balance

soil microorganisms, soils (organic), forests 9514

Nutrient concentrations,
Vibrio ecological distribution, coastal waters 6259.

Nutrient cycles,
Acaca holosericea stands, assoration endomycorrhizas 535.
Acaca holosericea stands, assoration endomycorrhizas 535.
Basidiomycetes, decomposition, roots, wood. Quercus robur 5861.
biomass, stands, mycorrhizas, fungi, Pseudostusga menziesii, USA, Oregon 6905.
hungi, leaf litter, soil, ecosystem analysis, reviews 5889.
soil, mathematical models, books 5448.
soil microorganisms, pollution effects, climatic change, carbon dioxide 9563.
soil microorganisms, pollution effects, climatic change, carbon dioxide 9563.
soil microorganisms, succession, forests, montane environments 2297.
soil organic matter accretion, biological activity, mudflows, USA, California,
montane environments 9566.
suffur, sulfate-reducing bacteria, flooded soils, paddy fields 6958.
Nutrient deficiencies.
phosphates, batch culture, Streptomyces griseus streptomycin production 4383.

Nutrient deficiency,
Pinus, fertilizer applications effects on mycorrhizas, saprophytes, soil 7775.

Prints, ferritizer applications effects on injectimizes, septimizes, septimizes, soil 1773. Nutrient dynamics, association, Streptomyces rimosus oxyletracycline biosynthesis 6183. earbon, nitrogen, Philizobium, hydrogen production, Vigna ungiuculata 4247. decomposition, Pseudotsuga menziesii 516. detritus, leaf litter, froest floor, Plinus controrta subsp.latifolia, USA, Wyoming

leaf litter decomposition, forests, Pinus silvestris, Sweden 2300

leaf litter decomposition, incrests, Pfluis silvestris, Sweden 2300. leaf litter decomposition, mineralization, forests (2294, litter fail decomposition, forests, floodplains, USA, Illinois 6890, nitrogen balance, leaf litter decomposition, Pinus sylvestris 3161, nitrogen cycle, plantations, Theobroma cacao 3222, nitrogen-fixing bacteria, nitrogen fixation, decomposition, Pseudotsuga menziesii nitrogen-fixing bacteria, nitrogen fixation, decomposition, Pseudotsuga menziesii

510.
soil microorganisms decomposition, Acer rubrum leaf litter, flooding 4194 soil properties, nitrogen mineralization, forests 6895. trophic relations, forests, steppes 1448.
Nutrient enrichment,

effects on Carex plant debris biodegradation, USA, Alaska, lakes 2023.
effects on Saccharomycas carlsbergensis ethanol production 8408.
relationship, pH, tolerance, Yersinia enterocolitica, isolation, methodology

Nutrient levels

peat, nitrogen, mineralization, bogs, particle size, soil microorganisms 8697.

Nutrient ross, soil microorganisms, measuring techniques, microcosms 571.

Nutrient requirements, adenine, Rhizobium meliloti, auxotrophy mutants, nodulation, Medicago sativa 9616.

Serial Production mellion, autorophy microsis, riculturally, medicago se 56.6.

Serial Production 4569

bacheria, yeasts, dental plaque isolates, chemostats methodology 4497. Lordina, yeasts, dental plaque isolates, chemostats methodology 4497. Lordina, yeasts, dental plaque isolates, chemostats methodology 4497. Lordina, biosynthesis, Pericillium critrium 2064. Clostridium saccharolyticum, growth conditions, ethanol, production 5574. Endothia parasitica, media (culture), methodology 1814. Fusarium poysporum, ennain production 6206. Hansenula polymorpha, carbohydrate composition, association, carbon direcycling, relationinip, space flight, food, man 8486. media (culture), Bacteroides, Fusobactenum 5415. media, rumen microorgianisms, counting methods, cellulose biodegradatio metals, sewage sludge, dipestion (anaerobic) 8946. nicotinic acid, Sesbana rhizobium 9577. Ruminococcus flavefaciens, media (culture) 9841. Saccharomyces cerevisiae, valine effects on, leucine conversion, 3-methyl-1-butanol biosynthesis 3724. Saccharomyces tragilis, growth, proteins production 926. association, carbon dioxide

cellulose biodegradation 10007

3-methyr-r-busino busyrthesis 3724.
Saccharomyes fragilis, growth, proteins production 926.
Salmonella enteritidis, enterotoxins, biosynthesis 1105.
soil microorganisms, biodegradation, carbaryl, pesticide residues, flooded soils

dogs, microorganisms single-cell protein 3851. molasses, wine fermentation sediments, Candida, single-cell protein production

5828

ooze. nitrogen cycle, plantations, Theobroma cacao 3219. phosphatidyl choline, degradation, mineralization, soil microorganisms, enzymatic activity 5915. phosphorus, mycorrhizas, seedlings, Thelephora terrestris 1441.

priospriorus, riycycimizas, seedinings, Thelepinora terrestris 1441, potassium, soil, Azotobacter 7823, regulation, Flavobacterium heparinium, production, heparin lyase 969, starch, Aspergillus oryzae, lipids production 2855, wood extracts, bacteria growth association 3.

Nutrient status, association, Escherichia coli, threonine effects on valine sensitivity 3304 effects on, immunogenicity, Vibrio cholerae, vaccines, chemostats 1686.

effects on, immunogenicity, Vibrio cholerae, vaccines, chemostats 1886. Nutrient transport, absorption, ectomycorrhizas, ectomycorrhizas, ectomycorrhizas, absorption, vesicular-arbuscular mycorrhizas, ectomycorrhizas, ectomycorrhizas, ectomycorrhizas, ectomycorrhizas, ectomycorrhizas, ectomycorrhizas, ecophysiology, basorption, nitrogen sources, phosphate, Ericales 9538.

soular-arbuscular mycorrhizas, physiology, roots, host plants 9537.

vesscular-arouscular mycormizas, pnysiology, roots, host plants 9537.

Nutrient uptake,
Allium cepa, role, endomycorrhizas, association, soil salinity 7804.

Candida intermedia, fermentation 128.

Hordeum distichon, role, vesicular-arbuscular mycorrhizas, Denmark 5905.

mycorrhizas, conferences 10005.

phosphorus, nutrient availability, endomycorrhizas, Malus pumila, Allium porrum,

Nutrient uptake, (continued)

utrient uptake, (continue)
Tagetes patibus 9544.
Rhizobium melilob inoculation effects on, soils (saline), Medicago sativa 7842.
Triicum aestivum growth, pathogens incidence, factors affecting 5725.
vesicular-arbuscular mycorrhizas, inoculum production, agricultural practices,

land reclamation 9540 Zea mays, Sorghum bicolor, roots, role, Azospirillum brasilense 6988

termoval, wastewater treatment, relationship, algae, plants growth 5329. supplements, Saccharomyces cerevisiae nutritive value, association, Brachionus plicatilis population growth 7604. translocation, brown rust, Hordeum vulgare 3939.

Nutrition.

Agaricus bisporus, association, microorganisms biomass, straw composts 2923. nitrate, effects on viruses infected, Maius pumila 389. Intrates, effects on cucumber green mottle mosaic virus replication, Cucumis

sativus 2183 nitrogen, effects on, Fusarium oxysporum f.sp.lycopersici wilt, Lycopersicon esculentum 411.

esculentum 411.
potassium, effects on Triticum yield 371.
Pseudomonas paucimobilis, soli, relatitionship, nitrogen levels 4218.
Streptomyces vinaceus, Streptomyces coelicolor, genes, cloning 1523.
vitarnins, animals, interaction aflatoxicosis 4899.
Nutritional status,
Agropyron intermedium, smut, Cochilobolius sativus, effects on 8548.
Solanum tuberosum, Phytophthora infestans infection, sporulation 6801.

Authoritive value,
Agaricus bisporus, cultivation, lignocellulose degradation, reviews 7596.
Arthrobacter simplex single-cell protein, rats, hydrocarbons, carbon sources 7597.

/597.

Section affects on corn meals 251.

breweries activated sludge, pigs feeds 5631.

cheese, production 2036.

culture, Pleurotus ostreatus+Erwinia carotovora, effects on, Triticum aestivum, straw, Ruminatia 254.

fungi, man 5615.

Maccolenitar zerberi. Agaricus brunnescens, characterization 3846.

Macrolepiota zeyheri, Agaricus brunnescens, characterization 3846. microorganisms production lysine+wheat flour, rats 5632. molds, grains, chickens 3852.

molds, grains, chickens 3852.

proteins products, cellulolytic bacteria growth, sugarcane bagasse 9287.

Saccharomyces cerevisiae, nutrients supplements, association, Brachionus plicatilis population growth 7604.

Saccharomyces fragilis, single-cell protein, feeding trials, chickens 7608. sitage feeds, factors affecting 2927.

single-cell protein, Aspergilius furnigatus, Manihot esculenta, rats, pigs 2932. yeasts single-cell protein, feeding trials, rats 8489.

Carya illinoensis, drop, Cladosporium caryigenum scab effects on 6929. microscopy, spoilage, bibliographies 5034.

Nylon. Nyton, + enzyme-linked immunosorbent assay, use, detection, influenza virus 4468.
 + silver fabrics, antimicrobial activity 3371.
 Nympholdes peltata, leal litter, decomposition, Pythium 5070.

Nystatin, antibiotic resistance, Candida albicans, clinical isolates, oral cavity candidasis 8746.
antibiotic resistance, sterol composition, plasma membranes, Candida albicans

antibutic sensitivity testing, yeasts 2502. antifungal activity, cell walls, Candida albicans 2477. assays 8868

comparison, tetrafungin, Streptomyces albulus subsp.tetrafungini biosynthesis

copper complex, physicochemical properties 8867. extraction, Streptomyces mycelia, dimethyl sulfoxide use 8869. physicochemical characteristics 6179.

physicochemical properties, acid-base status 6177. resistance, Candida albicans, protoplasts fusion hybrids 658.

resistance, Camuna aducation, protoprasts fusion hybrids 656. spectrophotometry 6178. Streptomyces noursei, biosynthesis, glucose metabolism effects on 6176. uptake, Saccharomyces cerevisiae 8008.

Ost sterile dwarf virus, infection, cytology, Avena sativa 2164.

Occupational exposure,
Paecilomyces varioti proteins feeds, allergenicity, man 7607. risks, pathogens, inactivation, land disposal, industrial wastes, reviews 5978. sepsis, Streptococcus, meat industry, hygiene, man 2634.

Occupational hazards,

Salmonella contamination, sewage treatment plants 1730. Ochratoxin,

Ochratoxth,
Aspergillus ochraceus, biosynthesis, methionine derivatives effects on 7628.
grain dust, grain elevators 7619.
Ochratoxth A,
armnonia detoxification, grain 2063.
Aspergillus ochraceus, contamination, Hordeum vulgare, kidney, lesions, pigs 7622.

Aspergillus ochraceus, contamination, Hordeum vulgare, detoxification, feeding, pigs 7623. pigs 7623
Aspergillus ochraceus, Penicillium viridicatum, occurrence, temperature, relative humidity, effects on 7624.
Spergillus ochraceus, Penicillium viridicatum, barley 1102.
biosynthesis, Aspergillus ochraceus, Penicillium viridicatum, barley 1102.
biosynthesis, Aspergillus sulphureus, inhibition, growth, propolis role 9269.
biosynthesis, Aspergillus usulphureus, inhibition, deventh, propolis role 9269.
biosynthesis, Penicillium verucosum var.cyclopium, wheat 2062.
cirtivini, toxicity, chick embryos 2068.
contamination, feeds 3868.
metabolites, oxidation, role alcohol dehydrogenase 4894,
production, Aspergillus ochraceus, controlled conditions, atmospheric conditions 3881.

Ochroconis constricta, pectin biodegradation 3776.

Ocimum adscendens, plant extracts, antifungal activity, Helminthosporium oryzae 691

Octane, utilization, Pseudomonas aeruginosa 7021. Octenidine dihydrochloride, antibacterial activity, dental plaque isolates 3325.

antibacterial activity, dental plaque isolates 3325.

Octyl gallati activity 7084.

Q-Delakyldthlophosphoric acid,
derivatives, antimicrobial activity 7955.

Q-Delakylthiophosphoric acid,
derivatives, antimicrobial activity 7955.

Q-Discontine of the desired activity 7955.

Q-Discontine of the desired activity 7955.

Q-Discontine of the desired activity 7955.

Thobacilius thiopanus 3787. Thiobacillus thioparus 3787

Odor compounds,
Allium, induction, sclerotia formation, Sclerotium cepivorum 4001.
coryneforms, degradation, manure, pigs 8060.

compounds, biodegradation, Pseudomonas, Bacillus, Corynebacterium 5580.

Oecanthus angustipennis, vector-borne diseases relationship, Cryptosponopsis canker, Acer rubrum 9524. Off flavor,

IT TRAVOT,

Notice Type Transport Tr

spoilage, proteinase, bacteria 4815.

Oflaxcin, antibacterial activity, Mycoplasma 3311.

Oldlodendron,

incidence, association, heavy metals gradients, soil, Sweden 6898.

Oldiodendron truncatum, antibiotic PR-1350, biosynthesis, characterization, antibacterial activity 9773.

Oldium anacardil, infection, Anacardium occidentale, powdery mildew, pathogenesis 421.

Oldium begoniae, powdery mildew, Begonia, factors affecting 401. powdery mildew, Begonia, fungicides foliar applications, antifungal activity 1393.

1393.

Oldlum caricae,
powdery mildew disease control, greenhouses plants, ectaconazole treatment 5004.

Oli,

bacteria, fungi, biodeterioration, fouling organisms, books, conferences 10004.

bacteria, fully, looderindratory, fouring organisms; books, comerences 1004, biodegradation, bacteria, marine environment 8719; biodegradation, microorganisms 5147.
Centratherum antheliminitorum, antimicrobial activity 7909.
contamination, Desulfovibrio, polyacrylamide effects on 5141.
deposits, bacteria microflora, flooding effects on activity 627.
deposits, flooding, relationship, hydrogen bacteria activity, population dynamics 2387. 2387

disease control, Rhopalosiphum maidis, Schizaphis graminum, vectors, maize dwar mosaic virus, Zea mays 6843. growth conditions, effects on, synchronous culture, Lodderomyces elongisporus

4266

industrial effluents, wastewater treatment, digestion (anaerobic) 5305. pipelines, Canada, bacteria biodetenoration, hydrogen sulfide production association 7018.

association 7018.
shales, phosphorus mineralization, Pseudomonas, Rhabditis 556.
waste disposal, biodegradation, soil properties 7020.
Oll and gas Industry,
industrial wastes, land disposal, soil microorganisms biodegradation, petroleum
5883.

petroleum, wastewater treatment 6250.

carbon sources, Bacillus licheniformis, α-amylase production 1850. olives, biodegradation, growth conditions, microorganisms 4746.

Oil dispersants, effects on, hydrocarbon-degrading bacteria, benzothiophenes, dibenzothiophenes, biodegradation 8717.

Oil fields,

methanogenic bacteria isolation, USSR, characterization 3260.

Oll installations, sediments, hydrocarbons biodegradation, marine environment 2392. Oil pollution.

actericidal activity, coliforms, indicator species 1550.

Oils,

affatoxin B1 food contamination, assays 275.

composition, Banksia integrifolia berries, effects on wine flavor, yeasts alcoholic fermentation 6639.

Hyptis suaveolens leaves, antifungal activity, Helminthosporium oryzae 494, minerals, sprays, use, control, disease spread, potato virus Y infection, Solanum tuberosum 1243.

tuberosum 1243.
Ollseed crops,
affatoxins biosynthesis, Aspergillus parasiticus 1096.
O-vanillin inhibition Aspergillus parasiticus, affatoxins biosynthesis 3874.
Okra moasic virus,
host range, plants 3905.
11-O-lsoagatholactone,
Spongia officinalis, antibacterial activity 8769.

Olea europaea, leaves. Pseudomonas syringae pv.savastoni, virulence 5742.

heat treatments, factors affecting, Lactobacillus plantarum, fermentation 7592.

Oleandomycln, biosynthesis, actinomycetes, role nuclease, proteinase, a-amylase 7123. biosynthesis, association, DNA fragments replication, Streptomyces antibioticus

8006.
guantitation, spectrophotometry methodology 6170.
Salmonella clinical isolates, antibiotic sensitivity testing 6112.
Oleandomycin phosphate,
crystallinity, humidity effects on 8862.
Oleuropein,
hydrolysis products, antibacterial activity, Lactobacillus plantarum 7925.
Olfactory atimuli.

Offactory stimuli, soil microorganisms, role habitat selection, Carabidae 9532.

Oligo(D-galactosidiuronic acids),

diazomethane esterification, pectinesterase effects on, Aspergillus foetidus

synthesis, use Bacillus intermedius ribonuclease immobilized enzymes 8284. Oligosaccharides, biosynthesis, streptovirudin antiviral activity, influenza A virus, influenza B virus, cell culture 6066

vitus, cen curure oven inhibition, adiposin, antibacterial activity, antifungal activity 2569. Klebseilla capsules polysacchandes, purification 8335. structure, elellulose biodegradation, Cephalosporum sacchari cellulase 4674, structure, swainsonine, effects on, Vesicular stomatitis virus, glycoproteins 4314 Olivanic acid,

derivatives, isolation, physicochemical properties, Streptomyces olivaceus 1663 Olive latent ringspot virus,

infection, Gomphrena globosa, ultrastructure 5780.

activated sludge degradation kinetics 8056.

fermentation, bacteria, food spoilage prevention 204, food processing waste water, association, Saccharomyces lipolytica single-cell profein production 8212. Oil cake biodegradation, growth conditions, microorganisms 4746.

Olivomycin,

Onvomycin,
Actinomadura antibiotic sensitivity testing 6109.
binding DNA, fluorescent probes 8013.

Omphafotus olearlus,
mushroom poisoning, gastritis, man 7582.
Oncobasidium theobromae,
dieback, Theobroma cacao, China, People's Rep. 7679.

Oncometopia nigricans, disease transmission, bacteria, Pierce's disease, blight, Citrus 1204. Onlons,

vacuum packaging, spoilage, Enterobacteriaceae, Lactobacillus 4882.

Oospora lactis, biodegradation, crop residues, Oryza sativa 168. triacylglycerol lipase isoenzymes, purification, characterization 7354. Oospores,

ospores, characterization, Peronospora sparsa infection, Rubus 3997. Peronosclerospora sorghi, formation, Zea mays, India 3018. Peronosclerospora sorghi, infection, Zea mays, seedlings, inoculum, methodology

8551

855.1

Opacity factor,
purification, characterization, Streptococcus group A 2740.

Operating theaters,
control, pathogens, airborne microorganisms 7206.
environmental hygiene, hospitals personnel 803.

Staphylococcus aureus isolation, antibiotic resistance, antibiotic sensitivity
testing 8980.

Operons, f rpoBC operon, Escherichia coli genes, rifampicin effects on transcription 1627.

Operophthera brumata, biological control, nuclear polyhedrosis virus 9213.

Ophiostoma ulmi,

Ulmus sensitivity, relationship, Dutch elm disease distribution, Belgium 5080. immunoglobulins, binding, cell walls, Staphylococcus aureus, immunofluorescence 8122. Opsonins,

Optical properties,
Desulfovibrio desulfuricans cytochrome c553, Pseudomonas aeruginosa cytochrome

c551 6546. scanning electron microscopy, Escherichia coli characterization 858 Opuntia stricta,

yeasts rot, seasonal variation, food sources, Drosophila 3048.

yease of Orafuran, Orafuran, antibiotic resistance, Escherichia coli, urinary tract clinical isolates 7034.

Oral cavity,
bacteria isolates, xylitol bacteriostasis 8782
candidiasis, clinical isolates, Candida albicans, antibiotic resistance, nystatin

copper, zinc mouthwashes, retention, dental plaque inhibition, man 8998. isolates, antibacterial activity, metronidazole+spiramycin tablets 8864. Streptococcus sanguis isolates, amoxicillin antibiotic resistance, relationship dental caries prophylaxis 8734.

Oral diseases,

elationship oral hygiene, military personnel, Greece 8080. Oral hygiene,

real hyglene, association, dental caries, gingivitis, children 8076. association dental caries, mental retardation, children Finland 8079. association periodontal diseases, dental caries, man, Tuvalu 8078. bacteria periodontal diseases, prophylaxis, man 1733. children, Israel 8999. dental caries, prophylaxis, treatment, man, conferences 8189. relationship oral diseases, military personnel, Greece 8080. sugars consumption, relationship dental caries, children 8991.

Oral microflora, anaerobic bacteria, clinical isolates antibiotics activity concentrations 8814, dental plaque, man, toothbrushing comparison sodium chloride+hydrogen peroxide

dental plaque, man, iboundusming companisors southin allohaes hydrogen p 8075. man, Candida, drug tolerance 4271. periodontitis, sodium bicarbonate+hydrogen peroxide effects on, man 5353. prophylaxis methodology, children 8993.

Oranges, blue mold, Penicillium italicum, thiabendazole resistance 6009. aktraction, oils, protein, use, enzymes, Neurospora crassa, Aspergillus terreus 8483.

green mold, antifungal activity comparison, thiabendazole, sodium orthophenyiphenate, CGA-64251 1319. Penicillium digitatum green mold, post-harvest decay, imazalil treatment 9452. post-harvest decay, Penicillium digitatum, feen decay, Penicillium digitatum, feen of speciage synergism, Penicillium digitatum, association benzimidazole sensitivity 1318.

Orchards,
canker, Botryosphaeria dothidea 1223.
Malus pumila, Prunus, incidence, Phytophthora 386.

Orchards, (continued)

Malus pumila, roots growth, rhizosphere microorganisms phytotoxins inhibition 4141.

4141.

nitrogen-fixing bacteria, nitrogen fixation, rhizosphere, Artocarpus heterophyllus, Areca 9595.

Phytophthora palmivora infection, prophylaxis, treatment, fungicides 5928. Prunus persica, disease control, fungicides, brown rot, Monilinia fructicola 1405.

Prunus persica, disease spread, Pseudomonas persicae 4972. tomato ringspot virus, disease transmission, Xiphinema rivesi, Xiphinema americanum 2142.

Ores, mining, bacteria leaching 5135.

Organic ecids, composition, Allium cepa, white rot, Sclerotium cepivorum 5760. Pediococcus halophilus, metabolism, use starter cultures, soy sauce 1054. phosphate solubilization, phosphate-dissolving bacteria, Aspergillus,

phosphate solubilization, phosphate-dissolving bacteria, Aspergillus, phosphate solubilization, phosphate-dissolving bacteria, Aspergillus, Penicillium, soil 3187.

Organic chemicals, biochemicals oxygen demand determination, standardization, inoculum, carbon sources, nitrogen sources effects on 9802.

Organic compounds, biochemical six sediments, fatty acid composition 7553, biodegradation, bacteria, lakes sediments, fatty acid composition 5553, composition, bacteria, lakes sediments, fatty acid composition 5778, decomposition, bacteria, wastewater treatment, activated carbon filters 8956, fertilizers, sealmonella contamination 1732.

fluorine, oxygen supply, microorganisms immobilized cells 6286, haloaliphatic, dehalogenation, bacteria, methanogenesis 5290, haloaliphatic, dehalogenation, bacteria, methanogenesis 5290, haloaliphatic, dehalogenation, bacteria, methanogenesis 5290, haloaliphatic dehalogenation, bacteria 5291, media (culture), effects on, Fusarium oxysporum f.sp. biri, wilt 4040, +methanol loading, anaerobic conditions, bioreactors, degradation association 8940, mineralization, bacteria, freshwater environments, sewace 2012.

mineralization, bacteria, freshwater environments, sewage 2012. production, use, fungi transformation, reviews 5441. removal, water, microorganisms+activated carbon 6255. soils (sandy), Arachis hypogaea shells composts effects on soil microorganisms 5133.

513.

Organic matter,
biodegradation, bacteria, hydrogen intermediates 2011.
decomposition, leaf litter, Plnus silvestris 2299.
decomposition, leaf litter, Plnus silvestris 2299.
decomposition, soil microorganisms, antibiotics effects on 5922.
decomposition, soil microorganisms, community composition, coal mines 5914.
decomposition, soil microorganisms, crop residues 2325.
decomposition, soil microorganisms, fertilizers effects on 5979.
decomposition, soil microorganisms, CN ratios, soil amendment, crop residues
5986.

5986.
decomposition, soil microorganisms, tropical environment 4186.
effects on antimicrobial agents activity, reviews 6081.
effects on, dismrectants, antimicrobial activity 7117.
formation, soil 1491.
leaf litter, biodegradation, microorganisms, alpine environments, Austria 9556.
mycella, soil treatment, nitrogen mineralization 5949.
nutrient dynamics, nitrogen mineralization, forests 6895.
soil, accretion, nutrient cycles, biological activity, mudflows, USA, California,
montane environments 9566.
soil, association, vesicialar-arbuscular mycorrhizas growth 7810.

con, excision, nument cycles, biological activity, mudflows, USA, California montane environmenti 9566.

soil, association, vesicular-arbuscular mycorrhizas growth 7810.

soil microorganisma activity, deserts 8665.

soil, relationship, vesicular-arbuscular mycorrhizas saprophagy 8672.

turnover, bacteria, soil 5096.

Organoleptic evaluation, bed, mutton, itssues damage, bacteria contamination 181.

Cheddar cheese, ripening, proteolytic enzymes 9271.

Cheddar cheese, starfer cultures, Streptococcus lactis, β-D-galactosidase mutants 9269.

cheese flavor, Cheddar cheese, proteolytic enzymes ripening 9270.

cheese, production, lactic acid bacteria, organoleptic evaluation 6662.

cheese, attarfer cultures levels, lactic acid bacteria, et al. (acid bacteria, bacteria, acid bacteria, seater cultures, acid bacteria, seater bacteria, contamination, standards 4839.

sweeteners, α-1-saparty-1-phenylalanine methylester, spoilage, beverages 3803.

Organoleptic properties.

3803.

Organoleptic properties,
champagne, yeasts fermentation, fermenters 7520.
cheese, lactic acid bacteria, ripening, soybean milk 3823.
milk, uttrahigh temperature pasteurization, centrifugation, bacteria 2933.
sausages, mirtie inhibition Clostridium botulinum, growth, toxigenicity 303.

Organophosphorus,
Secondard, Plaum sativum ordection, cuttinase inhibition, Fusarium solan

association, Pisum sativum protection, cutinase inhibition, Fusarium solani infection 500.

Organs,

Organa, histology, single-cell protein, Arthrobacter simplex effects on, rats 8491.
Organa pseudotaugata, nuclear polyhedrosis virus biological control, Pseudotsuga menziesii 8352.
Orbatidee, nuterspecific relationships, soil flora, fungi, forest floor, reviews 5069.
Ornamental planta, disease control, fungicides use 5056.
Erwinia chrysanthemi pathogenicity, biotyping 4927.
fungi pathogens, fungicides resistance, greenhouses 4099.
greenhouses, incoulation methodology, Erwinia chrysanthemi 2229.
leafspot, Drechslera setariae 9426.
leafspot, impation effects on pathogenesis 1274.
leafspot, Myrothecium roridum 5747.
Mycoplasma-like organisms, viruses, infection, diagnosis 2185.
pollen airborne particulates, association fungi distribution 7705.
trees, plant diseases, fungi, fungicides 9480.
viruses, disease control, antisera 2270.
Ornithine.

Ornithine, production, acinetobacter calcoaceticus, arginine, mutants 6389.
Ornithine carbamoyltransferase,
Bacillus subtilis, purification, characterization 7382.

Ornithine decarboxylese, Acatobacter, GTP sensitivity, spermine biosynthesis 8371.

Ornithine decarboxylase, (continued) stereochemistry, Escherichia coli, Bacillus cadavens 6506. Ornithine decarboxylase inhibitor, purification, activity, polyamines stimulation, Physarum polycephalum 81.

Orosius lotophagorum ryukyuensis, disease transmission, mycoplasma-like organisms, witches' broom, Ipomoea batatas,

Solomon I. 9424

Orthophenylphenol, antibacterial activity, coliforms 8982.

annuacteria activity, comornis esse.

Orthopters,
role, Colletotrichum graminicola anthracnose, Zea mays 369.

Oryctolagus cuniculus,
biological control, myxomatosis, myxoma virus 6623.

(YZ4, host range, rice tungro virus, Nephotettix virescens, Nephotettix nigropictus vectors 4951. Sclerotium oryzae stem rot, disease resistance 9469.

Oryza glaberrima, disease resistance genes identification, rice yellow mottle virus infection 4968. Sarocladium attenuatum infection, symptoms etiology 9366.

Oryza nivara,

inheritance, disease resistance, grassy stunt virus 5037. Oryza sativa,

ryza satwa, agnoultural ecosystems, nitrogen cycle 3224. blast, environmental conditions effects on pathogenesis 1169. blast, Pyricularia oryzae, antifungal agents effects on pathogenesis 5827. blast, Pyricularia oryzae, cultural characteristics relationship pathogenicity 5699

5699
blast, Pyricularia oryzae, disease control, fungicides 8630,
blast, Pyricularia oryzae, epidemiology, relationship, meteorology 1182,
blight, Virulence, Xanthomonas campestris pv.oryzae, billiptic virulence 352,
brown spot, Hellminthosporium oryzae, biological control, Streptomyces longisporus
antagonism 4105,
crop residues, acids hydrolysis, single-cell protein production, Candida
tropicalis 9109.

ropicals 9109.

crop residues, biodegradation, mesophilic microorganisms 168.

Cyanophyta association, nitrogen fixation, deep water, Philippines 2358.

Cyanophyta nitrogen fixation, USSR 7846.

disease resistance, genetic relationship, rice stripe virus, rice dwarf virus 6773

6773.
disease resistance inheritance, Xanthomonas campestris pv.oryzae blight 9364. disease resistance, Pyricularia oryzae blast, USA 5711. disease resistance, tungro virus 5812. Drechslera oryzae infection, phytoalexins inducers use seed treatments, induction, hypersensitive response, disease resistance 2292. Ephelis oryzae infection, chemical control 3149. experimental infection, sheath rot, Sarocladium oryzae, inoculation, methodology 1188.

fungicides, Pyricularia oryzae, blast 2274. genes, disease resistance, blight, Xanthomonas campestris pv.oryzae 9459, genes, pest resistance, disease control, tungro virus, Nephotettix virescens

grassy stunt virus, disease transmission, Nilaparvata lugens 4952, host-parasite interactions, Pyricularia oryzae, phytoalexins, isolation, identification 6849, hypersensitive response, lesions, leafspot, Bipolaris oryzae, Pyricularia oryzae, 5039.

5039.
infection, Fusarium equiseti, Fusarium semitectum 1192.
inheritance, disease resistance, grassy sturit virus 5037.
irrigated areas, surrival, Colletorinchum gloeosporioides f.sp.aeschynomene,
water, soil 1189.
leaf blight, phenylalanine ammonia-lyase, tyrosine ammonia-lyase, levels 384.
leaf blight susceptibility, Xanthomonias campestris pv.oryzae, nutrients effects
on 6750.

leaf blight susceptibility, Xanthomonas campestris pv.oryzae, nutrients effects on 6750.
leaves, Xanthomonas oryzae, phytotoxins, purification, effects on 7640. metalaxyl, seed treatments, disease control, downy mildew 1433. Nephotetitx transmission rice tungro virus, rice waika virus 6761. nitrogen-fixiation, Sesbania rostrata manure effects on 4240. nitrogen-fixiation, Sesbania rostrata manure metalogical production, and produced fixiation of the session of t

rice gall dwarf virus, disease transmission, Recilia dorsales, Nephotettix nigropicitus 1162.

roe tungra virus infection, susceptibility, incidence 1156.
roe tungra virus infection, induction proline, leaves 1157.
roe tungro virus, disease transmission, Nephotettix virescens, vectors 360.
rice tungro virus infection, insecticides, disease control, vectors 8613.
rice tungro virus infection, insecticides, disease control, vectors 8613.
rice tungro virus, Nephotettix virescens, Nephotettix nigropictus vectors 4951.
rice yellow mottle virus, Nigeria 7572.
rootis, association nitrogenase activity 8695.
Sarcoladium attenuatum infection, symptoms etiology 9366.
Sarcoladium attenuatum infection, symptoms phytotoxicity, pathogenicity 9348.
Sclerotium oryzae disease resistance, plant breeding 7743.
seed-borne diseases, fungicides disease control 1434.
seed-borne diseases, fungicides disease control 3148.
sheath blight, Corticium sasakii, fungicides, disease control 3148.
sheath blight, height effects on yield 3017.
sheath blight, Rhizoctonia solani, revews 6766.
sheath blight, Rhizoctonia solani, rivulence 1193.
straw, fermentation, Penicillium janthinellum, biomass production 7564.
straw, hydrolysis, cellulase, Trichoderma reesei 7430.
Trichoconella padwickii infection, detection methodology 4963.

Oryza sativa, (continued)

Iryza aativa, (continued)
viruses infection, Japan, Asia, Southeast 4955.
wastewater treatment, films, formation, role, filtration 4444,
weed control, Aeschynomene virginica, biological control, Colletotrichum
gloeosporioides (sp. aeschynomene 6830)
white leaf disease, virus-like particies, etiology 8556.
wiit, Xanthomonas oryzae, soii pH 8545.
Xanthomonas campestris pv.oryzae blight, incidence, Niger 9355.
Xanthomonas oryzae infection, seed treatments, triphenyltin chloride 2293.
Xanthomonas oryzae infection, seed treatments, triphenyltin chloride 2293.
Xanthomonas oryzae laft blight, disease resistance, gemptiasm analysis 5811.
ylekt, solis (acid), Bacillus firmus indole-3-acetic acid biosynthesis, India
4225.

Oscillatoria,

bacteria, mixed culture, phosphorus removal, wastewater treatment 2615.

bacteria, mixed culture, phosphorus removal, wastewater treatment 2615.

Osmophilic fungi,
soil, surveys, Syria 7817.

Osmotic pressure,
Kalanchoe, effects on tumors induction, Agrobacterium tumefaciens 4029.
sensitivity, association, dicarboximide, resistance, Botrytis cinerea,
Penicilium expansum, Aspergillus indicians 6022.

Osmotic stability,
Ingal flora, soil, surveys, Syria 7817.

Osmotic stress,
Cucumis satirus, tobacco necrosis virus infection, effects on enzymes 413.
Vigna sinensis, tobacco necrosis virus infection, effects on enzymes 413.

Osteomyelitia, gram-negative bacteria clinical isolates, drugs sensitivity, man 6057.

Grantian bubblells, Bacillus thuringiensis spores+crystals complex, exotoxins, effects on 7489. biological control, Bacillus thuringiensis 8375, infestation, effects on Diplodia maydis, stalk rot, disease resistance, Zea mays

301.
pests, infestation, relationship stalk rot, Gibberella zeae, Fusarium graminearum, Zea mays 9349.
Ottorhynchus sulcatus, eggs, larvae, biological control, Metarhizum anisopliae 986.
Ottile axterna, epidemiology, association water quality, bacteria contamination 2630.
Readomonas aeruginosa, man, baths, water-bome diseases 8070.

Pseudomonas aeruginosa, man, baths, water-borne diseases 8070.

Otitis media, Haemophilus influenzae, ampicillin resistance, man 647. microflora, exudates, man, antimicrobial agents treatment, antibiotic sensitivity testing 1586.

Oudemansiella mucida, mucidin, biosynthesis, radioactive labelling 7187. mucidin biosynthesis, tradioactive labelling 7187. mucidin biosynthesis, tryptophan, nutrient requirements 8015.

Oudemansin B, biosynthesis, tryptophan, nutrient requirements 8015.

Oudemansin B, biosynthesis, verula, structure, antifungal activity 8042.

Outer membranes, Alteromonas haloplanktis, removal methodology, factors affecting 9026. bactena, phospholipase role, drugs antibacterial activity 8783.

Escherichia coli, alberterial activity, hexametaphosphate+glycerol monocaprate 4291.

Escherichia coli, succinate dehydrogenase, antibacterial activity, glycerol

Escherichia coli, succinate dehydrogenase, antibacterial activity, glycerol monocaprate 4290.

membrane permeability, association, Pseudomonas aeruginosa, polymyxin antibiotic resistance 632.

protein composition, association, polymyxin resistance, Pseudomonas aeruginosa

es.
protein composition, Pseudomonas syringae pv.syringae, relationizae della diseases virulence 7007 miseases virulence 7007

Overproduction, biotin, Bacillus sphaericus 8381.

Overwintering, beet yellows virus, infection, Beta vulgaris 3045. dieback, Phytophthora parasitica, temperature, effects on, Rhododendron 9389. Hordeum vulgare, barley yellow dwarf virus infection effects on 354. Monilinia fructicola, Prunus persica, fungicides effects on sporulation 7763. mycoplasma-like organisms, rhizomes, Rubus idaeus, Cirsium arvense 6816. powdery mildew, Vitis vinifera buds 1270. Puccinia graminis f.sp.tritici races, stem rust, Triticum aestivum, USA, Texas, Mexico 4961.

Miscotonia solath blight, Oryza sativa, disease control, burning 4953. rust, Saccharum, USA, Mississippi 3016. Venturia inaequalis, Malus scab 1201.

Oviposition, attractants, Megaselia halterata, chemical composition, Agaricus bisporus 6661.

attractants, megaseria hatterata, cheminal composition, Againata asporta according Covernation (Covernation) (Cove

antibacterial activity, Frotes of 9.

Oracillin,
antibiotic tolerance, Staphylococcus aureus, pH effects on 3408.
bactericidal activity, Staphylococcus aureus, factors affecting 2547.
+benzalkonium chloride, binding heart prosthetics, prophylaxis, postoperative

infection, dogs 5343.

+rifampicin, bactericidal activity, Staphylococcus aureus 5263.

+rifampin, antibiotic antagonism, antibacterial activity, Staphylococcus aureus 720.

1,3,4-Oxadiazoles, synthesis, antibacterial activity 8749. 4-Oxalcitramelate aidolese, purification, characterization, Pseudomonas ochraceae 6480. Oxalic acid,

Oxaline,
association, roquefortine, biosynthesis, Penicillium oxalicum 6698.

Oxalis corniculata

disease reservoirs, tomato ringspot virus, prunus 1209

Oxalis tuberosa,

mycoplasma-like organisms infection, incidence, Bolivia 433.

4-Oxalmesaconate hydrolase, purification, characterization. Pseudomonas ochraceae 6480.

Oxaloacetate decarboxylase,

punication, characterization, cell membranes, Klebsiella aerogenes 1870.

Oxl Ferm tube test,
identification, clinical isolates, non-fermentative gram-negative bacteria,
oxidase-positive bacteria 9019.

methodology 5390. Oxidase test,

Pasteurella, detection 5410

Pasteurella, detection 5410.
Vibnonaceae, agar media, comparison 9043.
Oxidative phosphorylation,
AMP. Candida boddnii, ATP biosynthesis 1031.
Oxidoreductase,
enzymes, use, biotechnology, reviews 9145.
2-Oximino acida,

2-OxImino acids,
Endomycopsis lipolytica, gas chromatography detection 1843.
Oxo-1,4-α-D-glucosidase,
hydrolysis, starch, Endomycopsis fibuligera 6498.
isoenzymes, purification, characterization, Aspergillus niger 4622.
α-Οxo-γ-methythilobutyric acid,
association, ethylene production, Phanerochaete chrysosporium 1517.
Oxidation, Pseudomonas putida, monooxygenase activity 1881.
Oxyalinia racii.

Oxolinic acid,

antibacterial activity, Aeromonas salmonicida 8763.
antibacterial activity, Yersinia ruckeri, animal isolates, in vitro 8766.
comparison, norfloxacin antibacterial activity, Pseudomonas aeruginosa,

Staphylococcus aureus 5197.
Oxovlnyl tripheryl phosphonic acids,
derivatives, antimicrobial activity, Pseudomonas aeruginosa, Candida albicans

Oxycarbaxin.

Oxycaroaxin,
powdery mildew control, Rosa 5044.

Oxycarboxin,
antifungal activity, Choanephora cucurbitarum 4004.
effects on Conidiobolus obscurus resting spores spore germination 7762.

Oxygen, absorption, aeration tanks, wastewater treatment 4437

adsorption coefficients, fermenters, energy consumption 8406, application, yeasts batch culture fermenters 5442, association, hydroxylation, 11-desoxy-17-hydroxycorticosterone, Pellicularia filamentosa 4696.

association, imitations, aflatoxins biosynthesis, Aspergillus flavus 7621. association, myeloperoxidase, xanthine oxidase, susceptibility, Legionella pneumophila 2429.

pneumophila 2429.

barriers films, beef vacuum packaging, bacteria food contamination 261.

concentration, nitrogen fixation roots nodules, Myrica gale 7859.

consumption, relationship, fermenters, mass transfer 6288.

content, media, association, Bacillus brevis gramicidin S biosynthesis 6225.

content, media, effects on Bacillus brevis gramicidin S biosynthesis 6226.

continuous culture, Candida utilis, mathematical models, effects on ethanol production 4731.

deficiency effects on, Acetobacter aceti, acetic acid fermentation 6371.

deficiency effects on Acetobacter aceti subsp.aceti, morphology, acetic acid fermentation 8197.

ordium acetate incorporation. Penicillium multicolor tetronic acid distribution, sodium acetate incorporation. Penicillium multicolor tetronic acid

distribution, sodium acetate incorporation, Penicillium multicolor tetronic acids

effects on Candida utilis continuous culture, ethanol metabolism, biomass yield

effects on Candida units continuous continuo

effects on, pyridine nucleotide transhydrogenase multiple forms, Azotobacter vinelandii 6405.

vinelarion 0403.
electrodes, Nitrobacter immobilized cells, use, sodium nitrite sensors 5430. incorporation, Eupericillium brefeldinam brefeldin A biosynthesis 4421. inhibition, methanogenesis, digestion (anaerobic), rumen, in vitro 8058. levels, storage conditions, Pseudomonas marginalis soft rot, post-harvest decay, tomatoes 9453.

levels, vertical distribution, iron-oxidizing bacteria, reclaimed land, coal mines 9561.

mines 9561
packaged food, cold storage, poultry, lactic acid bacteria spoilage 6686, penetration. Bacillus cereus, cell culture, measuring techniques 6341, permeability, polyethylene packaging, spoilage, milk products 4884, pressure, ethanol bioeynthesis, Candida utilis growth, fermenters 138, role, ligino biodegradation, Phanerochaete chrysosporium 3763, role, ginocellulose biodegradation, Phanerochaete chrysosporium 3763, role, goualene monoxygenase (2,3-epoxidizing), biosynthesis, activity, Saccharomyces cerevisiae 8216.
Saccharomyces cerevisiae 8216.
Saccharomyces cerevisiae 68216.
Saccharomyces cerevisiae 68216.
Saccharomyces cerevisiae 68216.
Saccharomyces cerevisiae 68216.

transfer, rates, effects on, Trichoderma viride, cellulase, production 3671. uptake, Candida intermedia, fermentation 128. uptake, Candida mutants, relationship, ethanol production 8398.

uptake, Escherichia coli, association, growth, measuring techniques equipment

uptake measurement methodology, microorganisms, activated sludge 5359. uptake measuring techniques, Saccharomyces cerevisiae continuous culture 900. uptake, Parasponia rigida, nitrogen fixation, nodulation, Rhizobium 3243. uptake, wastewater treatment 4436.

Oxygen consumption, electron transport, soil microorganisms, measuring techniques 1494.

Oxygen tension, association, Pseudomonas fluorescens batch culture 108. effects on, carotenoids, poly-B-hydrobutyric acid, superoxide dismutase, fumerate reductase (NADH) biosynthesis, Azospirillum brasilense continuous culture 2749.

Penicillium chrysogenum, effects on penicillin biosynthesis 753.

Oxygen tension, (continued)
Penicillium chrysogenum, effects on penicillin biosynthesis 1616.
yeasts, effects on ethanoi fermentation 143.

Oxygenase, biodegradation, transformation, aromatic compounds, Saccharomyces cerevisiae, reviews 3667

Oxyderaction, transformation, aromatic compounds, Saccharomyces cerevieves 3667.

Oxygenation,
cadinane derivatives. Cyathus striatus 7463.
wastewater treatment, aeration tanks, effects on activated sludge 789.

Oxymenophalosporina,
ß-lactamase stability 2538.

Oxyphenylbutazone,
inhibition, interferon antiviral activity 3346.

Oxytetracycline,
antibacterial activity. Chlamydia 9714.
antibiotic resistance, Ractors, Staphylococcus aureus 2403.
antibiotic resistance, Staphylococcus aureus clinical isolates 3288.
biosynthesis, aeration, agitation, effects on 4594.
biosynthesis, Streptomyces rimosus mutants, isolation methodology 9054.
biosynthesis, Streptomyces rimosus, nutrient dynamics association 6183.
biosynthesis, Streptomyces rimosus, horizontal of 6183.
biosynthesis, Streptomyces rimosus, horizontal of 6183.
biosynthesis, Streptomyces inmosus, striation 9183.
biosynthesis, Streptomyces inmosus, striation, striation,

Oysters,
Coxsackievirus recovery, methodology 2908.

tood contamination, Vibrio cholerae, pasteurization, cooking 2912.

food contamination, Vibrio cholerae, pasteurization, cooking 2912.

food contamination, vibrio parahaemolyticus 2910.

Norwalk agent food poisoning, man, gastroenteritis, food consumption 1072.

pasteurization, economics, food technology 2936.

Ozonation,
aromatic compounds, effects on wastewater treatment, biodegradation 5294.

wastewater treatment, microorganisms disinfection 5324.

Ozone,
association, straw biodegradation, puriest microorganisms 4761.

association, straw biodegradation, oxidation, rumen microorganisms 4751, degradation, RNA, tobacco mosaic virus, yeasts 1592, disinfection, laboratones effluents 8984, disinfection, waste water 5293, disinfection, waste water 5297, effects on, Gloriums geosporum, interaction, Glycine max 8674. Formes annosus growth, effects on 541, pollution effects. Gloriums fasciculatus growth, Lycopersicon esculentum roots exudates 7811.

pretreatment, cotton, biodegradation, carbohydrate-degrading bacteria, rumen microorganisms 1062.
pretreatment_sheep, rumen microorganisms, digestibility, Gossyprum hirsutum crop

residues 5633.
pretreatment, sheep, rumen microorganisms, digestibility, Gossypium hirsutum crop residues 5634

use, Legionella pneumophila eradication, hospitals 4460.

Pachysandra terminalis,

lifa mosaic virus infection, symptoms, new records 1241.

alfalfa mosaic virus infection, symptoms, new records 1241.

Pechysolen trannophilus,
ethanol fermentation, galactose association 146.
ethanol production 2871.
ethanol production, use, hydrolysates, Pinus radiata, Populus tremuloides 8411.
mutants, acetic acid production 2733.
nrtrate, effects on, fermentation, xylose, glucose 7534.
xylose fermentation, 7532.
xylose fermentation, ethanol biosynthesis 135.
Pschvatachys coccines.

Pechystachy occines, Pechystochy occines, Pechystoc 6866

Peckaging,
bacteria growth, beef, liver, tongue, cold storage 267.
beef, bacteria, growth, contamination 265
beef, contamination, growth, Staphylococcus aureus 272.
beef, location, bacteria 224.
carbon dioxide, Enterobacteriaceae, Lactobacilius, spoilage, meat 4879.
cold storage, poultry, spoilage 4881.
food, plastics, association, microorganisms contamination 1094.
grapes, effects on Botytis cinerea post-harvest decay 2905.
meat, carbon dioxide inhibition Pseudomonas fluorescens, spoilage 7610.
milk, pasteurization, contamination, bacteria 4893.
Pleurotus sagor-caju spores 4516.
potatoes processing, sterilization 4801.
seafood, food contamination, spoilage, bacteria 2935.
sterilization, bacteria 4321.
Paddy fields,

**addy frelds, biodegradation, herbicides, molinate, soil types, pathway 5886 distribution, heterotrophic bacteria 4219. Lagenidium giganteum survival, overwintering, biological control, Culicidae 6615. Oryza sativa, nitrogen-fixing bacteria, foliar applications 5121. Oryza sativa, soil microorganisms, enzymatic activity, redox potential, soil amendment, ferrilizers, manure 9623. Oryza sativa, sufur nutrient cycles, sulfate-reducing bacteria 6958. soil nitrogen fixation, pesticides effects on, heterotrophic bacteria 619.

soii nitrogen hxation, pesticides effects on, heterotrophic bacterii Paecilomyce, α-amylase, purification, characterization 6455. incidence, dimking water systems 1722 Paecilomycea abruptus, artibiotic CC-1014, artibiotic CC-1014B, characterization 2566.

Paecilomyces carneus, protoplasts fusion, recombination, β-lactam antibiotics biosynthesis 8806.

protoplasts tidson, recombinating fraction and additional protoplasts recombined by Paecilomyces ferinosus, culture mass production, infectivity Spodoptera exigua larvae, field trials 7504. Peecilomyces fusisporus, mixed culture, lignocellulose biodegradation 3772.

Paecilomyces varioti,
biodegradation, feeds preservation, 8-quinolinol treatment 5630.
mixed culture, lignocellulose biodegradation 3772.
proteins feeds, allergenicity, occupational exposure, man 7607.

Painte. +fungicides, disease control, Chondrostereum purpureum, wound infection, Prunus armeniaca, Prunus avium 8629.

cesses, industrial wastes, waste water oxidation 5318. Palmitic acid.

Paintic Bcld, use, labelling, bacteria, association, cell aggregation assays 7245.

Panagrellus redivivus, host-parasite interactions, predator-prey interactions, nematophagous fungi 9550. Pancreas, ribonuclease, antiviral activity, pseudorables virus, foot-and-mouth disease

virus 6077

Pandanus tectorius, incidence, Azospiril Panicum antidotale, rillum, rhizosphere microorganisms, tropical environment 7853.

on, India 6770.

Claviceps infection, Panicum coloratum,

Panicum coloratum, introgen cycle, grazing, fertilization, mycorrhizas 1484.

Panicum miliacerum, wheat mosaic virus infection, cytology 2117.

Panicum mosaic virus, imetuology 3536. infection, Stenotaphrum secundatum 4948.

infection, Stenotaphrum secundatum 4948.
infection, Stenotaphrum secundatum, disease resistance 3117.
Particum repers,
Claviceps infection, India 6770.
Parthothenic acid,
media (selective), Saccharomyces wild types 3628.
Papain,
Psedomonas cocovenenans bongkrekic acid inhibition 2079.
Papaver somniferum,
stems, Scierotinia scierotiorum infection, effects on morphine production,
distribution 6812.
Papaye ringspot virus,
disease resistance, relationship watermelon mosaic virus disease resistance,
genetic analysis, Cucumis metuliferus 5778.
Paper,

geneuc analysis, outdook of the paper, pulp, fungi treatment effects on 896.

Paper millis, cooling water, bacteria growth, pH, temperature 7201. industrial effluents, color removal, use, Coriolus versicolor 8961.

Papilloma virus (bovine), purification, gel filtration 1747.

Parabons,
effects on, clostridium botulinum, toxins, production 2089

effects on, Escherichia coli, Bacillus subtilis, DNA biosynthesis, RNA biosynthesis, protein biosynthesis 7120.

Paracelsin,

isolation, characterization, Trichoderma reesei 8010.

isolation, characterization, Trichoderma reesei 8010.

Paracoccus,
bacteria growth, association carbon 8069.

Paracoccus dentirificane,
comparison, Pseudomonas stutzeri, Pseudomonas aeruginosa, denitrification 5107.
denitrification energetics, reviews 5117.
membrane potential analysis, electrodes construction methodology 8124.
production ubiquinone-10, anaerobic conditions 5551.
superoxide dismutase, kinetics, pulse radiolysis 6540.

Parafflin,
metabolism Candida quilliarmondii continuous culture 2390.

Paraffin,
metabolism, Candida guilliermondii, continuous culture 2390.
Paraformaldehyde,
antibacterial activity, coliforms 8982.
decontamination, laboratories, Legionella pneumophila, survival 2459.
tablets use, medical instruments sterilization 5228.
Paraherquonin,

-Paranerquorini,
Pencililium paraherquei, isolation, structure 8376.
Parainfluenza virus,
combined vaccines, antibody response, dogs 3449.
parvovirus (canine), adenovirus (canine), canine distemper virus, Leptospira,
bacterins, vaccines, immunogenicity, dogs 8924.
Parainfluenza virus 3,
proteise, benapodivinies, vaccines, immunogenicity, mice, choca, 7490.

proteins, hemagglutinins, vaccines, immunogenicity, mice, sheep 7189.

erfects on spores quantity, Rhynchosporium secalis infection, Hordeum 486. stimulation stimulation, Colletotrichum truncatum, Phomopsis, anthracnose, stem blight, Glycine max 5821.

Parasexual cycle, Fusarium moniliforme, virulence, soil-borne diseases 6854

Parasites,

drinking water contamination, Egypt, rivers 2619.

Nematophthora gynophila, incidence, Heterodera glycines infection, Glycine max

Parasitism

Arceuthobium abietinum, branches, Cytospora abietis dieback, Abies magnifica 5863

5863. Cuscuta campestris, disease transmission, grapevine fleck virus, grapevine yellow vein virus, grapevine leaf roll virus, Vitis vinifera 6794. Phytochytrium, Rhizidiomycopsis, Gigaspora margarita, Glomus fasciculatus, fungicides, effects on 5200. Trichoderma harzianum, Rhizoctonia solani, detection, photography, methodology 8159.

Parasponie rigide, oxygen, uptake, nitrogen fixation, nodulation, Rhizobium 3243. Parastacoldea tasmanicus, burrows effects on soil microorganisms, respiration, peatlands 7803.

Parathion, biodegradation, rhizosphere microorganisms, Oryza sativa 2897. hydrolysis, soil, role, Bacillus, Arthrobacter 160.

Pathogenicity, (continued)
bacteria, effects on, Beta vulgaris crop production 403,
bacteria, effects on, Beta vulgaris 1181,
collectorium, Glomerella, fruit rol., Lycopersicon esculentum 1301
comovirus, host range, crops 2172
Cronartium ribicola, genetic variance, blister rust, Pinus monticola 1452.
Deuteromycetes, biological control. Culicidae 1012
Drechslera teres, Hordeum vulgare 11813.
environmental effects, Bacillus fhuringieniss, Culex pipiens, Aedes aegypti 295.
Eryspheg grammis infection. Hordeum, association, Indemorph treatment 485.
Escherichia coli, lood contamination, isolation methodology effects on 177.
Formes annosus, Pinus roots, ozone effects on 541.
Full processor of the standard properties 1167.
gram-regare. Lea mays, biological properties 1167.
gram-regare. Lea mays, biological properties 1167.
gram-regare. Lea mays, collectade 296.
Phaseolus vulgaris, Fusarium, association kievitone hydratase, blosynthesis 345, phytopathogenic fung, cryopreservation, vability, methodology 4544.
Phytophthora megasperma i sp. glycinea, temperature effects on, Glycine max,
Medicago, sativa, Cicer arretinum 336.
plant diseases, measuring techniques, mathematical models 1116
polyvirus imfection, plants, Populus isolates 316. Parathion, (continued)
hydrolysis, soil, role, soil microorganisms 155,
paddy fields soil, effects on nitrogen fixation, heterotrophic bacteria 619.
Particle size,
bogs, mineralization, nutrient levels, peat, nitrogen, soil microorganisms 8697
Particlin,
structure 1664. structure 1664.

Parvovirus (canine),
antibodies, serum neutralization assays 1765.
canine distemper virus, adenovirus (canine), parainfluenza virus, Leptospira,
bacterins, vaccines, immunogenicity, dogs 8924.
vaccines, antibody response, immunity, dogs 2599.
vaccines, antibody response, immunity, dogs 2599.
Paspalum notatum,
hizosphere, nitrogen fixation, Azotobacter paspali, nitrogen-15, measuring
techniques 9609
Paspalum notatum var.batatals,
nitrogen fixation 4246.
Paspalum ruyflet,
incidence, Azospirillum, rhizosphere microorganisms, tropical environment 78 incidence, Azospirillum, rhizosphere microorganisms, tropical environment 7853 Passalora, infection, leaves, Zizyphus rotundifolia 7790.

Passiflora edulia, brown spot, Alternaria alternata infection, characterization 399.

Passive hemaggiutination, immunoglobulin G, detection, cytomegalovirus 5375.

Shigella dysentenae antibodies, assays 882.

Streptococcus group A antigen M antibodies detection 6325

Passive reverse hemaggiutination, hepatitis B virus detection, man 2650.

Pasta, tood poispation. Circlind. Anthonomics in the properties of the properties food poisoning, Clostridium perfringens, kitchens hygiene, man 7576. Pasteurella, dample substance, animal isolates, cattle, respiratory tract diseases 7884. Ilysozymes, Ixodidae, eggs, antibacterial activity 1552. oxidase test, detection 5410. Pisces pathogens, biological properties, identification methodology 1785. Pasteurella haemolytica, animal isolates, antibiotic resistance, antibiotic sensitivity testing, surveys 5244. Yersina enterocotitra, food isolates 2048.

Pathogens,
airborne microorganisms, control, operating theaters 7206.
Aspergilius: Pisces, isolation methodology 9078.

Bacillus sphaericus mortality, Bacillus thuringiensis, Culicidae, 2850.

Bacillus shuringiensis, biological control, insecta 999.
bacteria, intibacterial activity, EDTA-Triss± antibotics 7080.
bacteria, contamination, milk 481.
bacteria, contamination, milk 481.
bacteria, isolation, sewage studge 6248.
bacteria, man, incidence, detection 2840.
Basticimyetetis, Verticilium fungicola, Mycogone perniciosa, resistance, antifungal agents 5826.
biological control, bioassays, Culicinomyces clavosporus, Simulium pectipes, Simulium vitatum 7483.
biological control, siadesty regulations 1025. od4: animal isolates, ambiotic resistance, surveys 3287. cryopreservation, antigens localization, emotiodology comparison 849. isolation, cattle, antibiotic resistance 8722. serotypes, cytotoxins, production, antisera, neutralization 8518. Pasteurella multicolda, animal isolates, antibiotic resistance, antibiotic sensitivity testing, surveys 634. 634.
animal isolates, antibiotic resistance, surveys 3287.
antibacterial activity, ciprofloxacin 9661.
isolation, milk, meaf 3826.
lipopolysaccharides, structure 2819.
Peasteurization,
breast milk, bacteria contamination 214. biological control, bioassays, Culicinomyces clavosporus, Simulium pectipes, Simulium vitatum 7483 biological control, safety regulations 1025. biological control, safety regulations 1025. biological control, weed control, books 8183. competition, evolution, Uredinales 6764. contamination, houses, bacteria 4500. control, excretory products disposal, man, vectors 6273. Cucumis sativus, induction disease resistance, Fusarium oxysporum 1.5p. cucumerinum 2262. culture, bottles, methodology, 5358. disinfection, sewage sludge 8936. disinfection, siudge, wastewater treatment 9805. feces, sampling methodology, man 2708. foliage, fungl, humidity chambers 4523. foot rot antifungal activity, peracetic acid, Gramineae 1394. fungl, antifungal activity, bromazole, cothrimazole 7938. fungl, biological control, Culicidomyces 1013. fungl, disease resistance, association. Hordeum spontaneum fertility 6759. fungl, indirection, unrunoassays, reviews 8165. fungl, interaction vessicular-arbucular mycormiza, plant diseases 317. fungl, continum production of the size of breast milk, bacteria contamination 214.
cream, contamination, psychrotrophic bacteria, gram-negative bacteria 8499.
milk, Campylobacter fetus subsp.jejuni, heat sensitivity 2060.
milk, chemical analysis, bacteria 191.
milk, packaging, contamination, bacteria 850.
milk, psychrotrophic bacteria, lipses inactivation 263.
milk, refrigeration, bacteria, spoilage 2913.
cysters, food contamination, Vibrio cholerae 2912.
utrahigh temperature, bacteria centrifugation, milk, organoleptic properties 2933.
utrahigh temperature milk limulus bysate test, detection, bacteria 201. ultrahigh temperature, milk, limulus lysate test, detection, bacteria 201.

Pasteurized milk,
cheese production, lactic acid bacteria, organoleptic evaluation 6662

Staphylococcus aureus, Feeding trials, cattle, juveniles 4869. Pasture,
nitrogen fixation, Trifolium repens, Trifolium pratense 6981.
respiration, soil properties, diurnal variations 1493.
respiration, effects on microorganisms biomass, soil removal 3182.
soil microorganisms, respiration, soil moisture, soil temperature 3183.
soil. Pythum splendens suppression, germination, growth 9551.
Trifolium repens, nitrogen fixation, soil amendment, urne, urea 3240.
wetlands, soil microorganisms, biochemical characteristics, soils (loam) 2337.
Patents,
microbiology technology, reviews 6358.
Pathogenesia,
Aecidium osteospermi infection, Chrysanthemoides monilifera subsp.monilifera 427.
Anacardium octioderatie powdery mildew, Oidium anacardii infection 421.
blast, Oryza sativa, environmental conditions effects on 1169.
blotch, Pseudomonas tolassii, symptoms, experimental infection 1293.
broad bean stain virus infection, Vicia faba 339.
canker, Gleditsia triacarithos 1460.
Coccomyos hiemalis infection, Potial papyrifera 1450.
leafspot, ornamental plants, tringation effects on 1274.
leafspot, Ostemphylium bothyosum, light, relative humidity effects on, Medicago sativa 1141.
Macrophomium praes infection, Crotalana juncea, seeds 1272. nitrogen fixation, Trifolium repens, Trifolium pratense 6981 Rhizoctonia cerealis 1148. inactivation, occupational exposure risks, land disposal, industrial wastes, reviews 5978. incidence, Triticum aestivum, growth, nutrient uptake, factors affecting 5725. isolates virulence, Bacillus thuringiensis, Choristoneura fumiferana 8379. isolation, culture, methodology, Entomophibrorales, Insecta 1783. isolation, dentures, containers, cancer patients 3506. Mangifera indica, drug resistance, fungicides 1532. Metarrizium anisopliae, biological control, eggs, larvae, Otiorhynchus sulcatus 986 900.
microorganisms, biological control, Mollusca 1011.
microorganisms, immunoassays detection, insecta 1736.
New Zealand plants, fungi, new records 326.
Nomuraea riley, biological control, Lepidoptera 1010.
pest control, biological control, conferences 1819.
pest control, biological control, foliar applications, methodology, crop fields. sativa 1141.

Macrophomina phaseolina infection, Crotalana juncea, seeds 1272.

Marsonna brunnea infection, Populus 549,
microorganisms canker, Prunus cerasifera, Nematoda effects on 1212.
Nectria haematococca infection, Exacum affine, stem rot, wilt 1262.
Physopella zeae, association, Zea mays 383,
post-harvest decay, Glicodadium roseum, Scierotium rolfsii, Aspergillus niger,
apples, pears, peaches, amino acids, levels 1324.
tobacco streak virus infection, plants 1126.
Uromyces rumicis infection, Emex australis, effects on dispersal 425.
Washingtonia buds rol 1256.
Zea mays rust 1168.
Psthogenicity,
Armiliana mellea, role tannic acid stimulation rhizomorphs formation 1455.
Asocohyte pisi, role toxins, necrosis, Pisum sativum 1140.
Bacillus thuringiensis, biological control, Glossina pallidipes 984 pest control, biological control, foliar applications, methodology, crop neids, Arthropode 991.
pest control, biological control, foliar applications, crop fields, Insecta 992.
pest control, biological control, foliar applications, Insecta 993.
pest control, biological control, Insecta 988.
pest control, fungl, Insecta 995.
pest control, Hyphomycetes, Insecta 1003.
pest control, Metarhizium anisopliae, biological control, Nasutitermes exitiosus 7502

phytotoxins receptors, plasma membranes, plant diseases, reviews 2096. Pisces, biological properties, Vibrio, Pasteurella, identification methodology plant diseases, biological control, weed control, developing countries 7472

Pectate Iyase, biosynthesis. Erwinia chrysanthemi, water activity relationship 9185. biosynthesis. Graphium penicillioides 5515. Phoma exigua production role seed rot, Vigna radiata 7413. Pathogens, (continued) plant diseases, natural selection, reproductive strategy, mathematical models 2976 plant diseases, population ecology, limiting factors, environmental factors 5698 plants, preservation, gels-cold storage 2688 plants, seed-borne diseases, quality covage 5888 plants, seed-borne diseases, quality covage 5886 plants, seed-borne diseases, quality covage sludge 8935; reduction, promportion of the seed of diseases, natural selection, reproductive strategy, mathematical models Proctic esterase, production, Verticillium albo-atrum, Verticillium dahliae, metals cations effects on 7313. Pactin. ecun, biodegradation, Hyphomycetes 3776. protection, heat resistance, Latobacillus fermentum, tomatoes juices 6660. use. Saccharomyces cerevisae immobilization, ethanol production association 6631 Pectin esterase, mechanisms. Aspergillus foetidus 9183 Pectin lyase, Aspergillus niger, kinetics 1924 biosynthesis, Graphium penicillioides 5515. Phoma exigua, production, role seed rot, Vigna radiata 7413. Pectin-degrading bacteria, interaction Verticillium dahliae, pectin-degrading bacteria, wilt, Amoracia rusticana 1253. Pectinase, Botrytis cinerea, Colletotrichum atramentarium, Glomerella cingulata, fruit rot, Lycopersicon esculentum 5797. Pectinatone, tests 1756.

metalaxyl effects on, Phytophthora cactorum collar rot, Malus pumila 505.
prunus necrotic ringspot virus, experimental infection, Prunus 405.
purple spot, Stemphylium veiscarum, Asparagus officinalis 1296.
rust. Cronartium comptoniae, association, Phellinus pini, Pinus bankstana 548.
rust, Puccinia metaloncephala, Saccharum 1176. antimicrobial activity 8910. Pectinesterase,
Aspergillus defects on oligo(D-galactosidiuronic acids), diazomethane esterification 8251. citrus sinensis soft rot, Aspergillus aculeatus, Botryodiplodia theobromae 3965. Clostridium thermosulfurogenes, characterization 4660. white rot, Sclerotium cepivorum, disease control, Allium cepa, reviews 1260. Patulin, Pectinolytic enzymes, activity, Penicillium 9258. antifungal activity, Saccharomyces cerevisiae 2070.
asciadiol conversion, Penicillium urticae 6890.
biosynthesis, immobilized cells, Penicillium urticae 5261.
fungi, carbohydrates effects on antibacterial activity, Streptococcus bovis 273.
fungi, nicilence, Beta vulgaris roots feeds 1089. activity, Penicillium 9258.

Aspergillius oryzae, biosynthesis, physicochemical properties 9139.
citrus sinensis soft rot, Aspergillius aculeatus, Botryodipiolai theobromae 3965.
Erwinia carolovora, soft rot, oxygen effects on, potatoes 5033.
Penicillium digitatum, characenzation, use, degradation, Solanum tuberosum 1866.
Penicillium expansum 7419.
production, Verticillium albo-atrum, fungicides effects on 7314.
Phizopus stolonifer infection, effects on, Lycopersicon esculentum, mutants 5773. nungi, incidence, Beta vulgaris roots feeds 1089.

Pavo cristatus,
feathers, biodegradation, keratinophilic fungi 7555.

Paxillus involutus,
mycorrhizas, inoculation, seedlings, trees 5857.

PCB, bactericides control, contamination, industrial water systems, breweries 8966. biodegradation, Acinetobacter 8429. biodegradation, bacteria 2895. biodegradation, bacteria, rivers sediments isolates 8421. PCNB, role, fermentation, wine, pH 2867
Pediococcus acidilactici, redicoccus actimiental, silage fermentation 9282.

Pediococcus halophilius, corrosion, steel, role dissolved oxygen, sea water 9626. organic acids metabolism, use, starter cultures, soy sauce 1054. antifungal activity, Choanephora cucurbitarum 4004.

± ethazole, antifungal activity, synergism, Pythium aphanidermatum 5062.

Pea early-browning virus,

+ broad bean leaf roll virus+pea enation mosaic virus, interaction role, Vicia faba necrosis 7664.

Pea enation mosaic virus,

- Acuthosiphon gistim acquisition, infectivity, transmission 2107. Pefloxacin. antibacterial activity comparison, nalidixic acid, pipemidic acid, flumequin 8761 Pea enation mosale virus,

Acythosiphon pisum acquisition, infectivity, transmission 2107.

+broad ban leaf roll virus+pea early-browning virus, interaction role, Vicia faba necrosis 7684.

disease transmission, Myzus persicae, Acyrthosiphon pisum, Pisum sativum 2101. infection, Pisum sativum, leaves, pathogenesis 3930. vectors, disease transmission, Lathyrus odoratus, Acyrthosiphon pisum 342.

Pea streek virus,

Acyrthosiphon pisum transmission, Lathyrus odoratus, Acyrthosiphon pisum 342. Pelargoniu elargonium, cuttings, wounds healing, stem rot, Pythium ultimum 5745. diagnosis, infection, Mycoplasma-like organisms, viruses 2185. infection, pelargonium petal streak agent, pelargonium net vein agent, pathogenesis 7704. leafspot, Pseudomonas cichorii, pathogenicity 5795. leatspot, Pseudomonas cichorii, pathogenicity 5795.
Pelargonium hortorum,
susceptibility, wiit, Pseudomonas solanacearum, Xanthomonas campestris
pv.pelargonium, pathogenesis 7704.
Pelargonium petal streak agent,
infection, Pelargonium, pathogenesis 7704.
Infection, Pelargonium, pathogenesis 7704. Acyrthosiphon pisum transmission, Medicago sativa, Pisum sativum 3908.
Medicago sativa disease reservoirs 3929.
Peach rosette mosale virus,
infection, Vitis labrusca, disease control, vectors, Xiphinema americanum 5842. Peaches Peaches,
Aspergillus niger, post-harvest decay, pathogenesis, amino acids, levels 1324
post-harvest decay, iprodione disease control 4129.
Peanut clump virus,
disease transmission, Arachis hypogaea 6736.
Peanut mild mottic virus,
infection, Arachis hypogaea, etiology, China, People's Rep. 9326.
Peanut mottle virus,
Arachis chacoense, isolation, pathogenicity, role, disease reservoirs 6743.
disease resistance, inheritance, Glycine max 9463.
infection, Arachis hypogaea, Rhizobium effects on pathogenesis 5687.
infection, Vigna unguiculata, epidemiology pathogenesis 3927.
purification methodology, serological tests 7222.
Peanut stunt virus, lecypoda, ator species, marine pollution, microbial pollution, measuring techniques 8976.

Pelieting,
Aspergilius niger, morphology, agitation, fermenters 6637.

Pelilcularia filamentosa,
hydroxylation, steroids, glucose, effects on 6564.
hydroxylation, 11-desoxy-17-hydroxycorticosterone, association, oxygen 4696.
steroids hydroxylation 109.
Pelobacter venetianus ap.nov,
biodegradation, polyethylene glycol 6645.
Pencillin amidase,
ourfication, characterization, Bacillus sphaericus 4612. purnication, characteristanon, percentification, characteristanon, toxiciriy, animal models, Mammalia 3155.

Penicilianic acid sulfone, suicide inhibitors, β-lactamase, gram-negative bacteria 2810. isolation, Trifolium repens, Phaseolus vulgaris, USA, Arkansas 1127 plant viruses, Leguminosae, USA, Tennessee, identification 5689. seniciffin,
arribacterial activity, antibiotic resistance, Haemophilus influenzae,
Streptococcus preumoniae 7985.
artibacterial activity, Chamydia 9714.
antibacterial activity, Escherichia coli 7089.
antibiotic resistance, Neisseria gonorrhoeae, plasmids 3270.
antibiotic sensitivity testing, Clostridium perfringens 4336.
antibiotic synergism, antibacterial activity, daunomycin transformation,
Streptomyces erythrichromogenes sp. nov. 675.
antibiotic synergism, tetracycline, penicillin, Rickettsia prowazekii, Rickettsia
sibirica, chick embryos 7969.
antibiotic tolerance, Streptococcus mitior 1620.
assays, mitk 4852. Peanuts, aflatoxins contamination 3870. aflatoxins food contamination, detection, high-pressure liquid chromatography aflatoxins food contamination, detection, high-pressure liquid chromatography 3883. adiatoxins removal, sodium chloride+heat treatments 6689. contamination, aflatoxins, quality control 2940. fatty acids, Aspergillus, Rhizopus, spoilage effects on 4053. Pears,
post-harvest decay, surfactants, antifungal activity 1323
Sclerotium rolfsii, post-harvest decay, pathogenesis, amino acids, levels 1324. bodegradation, anaerobic conditions, C/N ratios 9264.
biodegradation, microorganisms 2877.
nifrogen, nutrient levels, mineratization, bogs, particle size, soil
microorganisms 8697.
soil microorganisms, nifrogen cycle, Medicago sativa saponins effects on 2355
tundra, reeze-thawing effects on soil microorganisms 580. assays, milk 4852
Bacillus stearorhermophilus var calidolacits antibiotic sensitivity testing 5180.
Bacileroides fragilis antibiotic sensitivity testing 7130.
Bacteroides fragilis antibiotic sensitivity testing 7130.
Bacteroides melianinogenicus resistance 4272.
biosynthesis intermediates, isopenicillin N sulfoxide derivatives 8846.
biosynthesis, Penicillium chrysogenum, oxygen tension effects on 753.
biosynthesis, Penicillium, growth, iron effects on 1617.
Campylobacter fetus subsp.jejuni drug sensitivity testing 4292.
derivatives, synthesis, use, skin tests 8852.
+EDTA+tromethamine, antibacterial activity, Escherichia coli 8765.
effects on, Bordetella pertussis ultrastructure 1599.
effects on Neisseria meningitidis morphology 738. ssays, milk 4852 Peatlands,

Parastacoides tasmanicus, burrows effects on respiration, soil microorganisms 7803.

Pecans,
Carya illinoensis yield effects on Aspergillus parasiticus aflatoxins accumulation 3871.
food contamination, aflatoxins, weather effects on, USA 6672.

```
Penicillium, (continued)
food contamination, fruit juices, Venezuela 7574.
food contamination, Grarinieae, post-harvest decay 2236,
glutathione oxidase purficiation, characterization 4621.
grains, nutritive value, chickens 3852,
growth, penicillin biosynthesis, iron effects on 1617,
incidence, association, heavy metals gradients, soil, Sweden 6898,
incidence, drinking water systems 1722,
infection, Triticum aestrum seeds, relationship germination 8600,
interspecific hybridization, penicillins comparison 749,
invasion, Trifolium repens 5692,
ignosulforate, metabolism, media (enrichment), biodegradation 3797,
microbiology, biomass, uranium, pH 8969,
patium, incidence, Beta vulgaisr costs feets 1089,
pectinolytic enzymes activity 9258,
phosphate solubilization, organic acids, soil 3187,
populations, South Africa Rep, plains 4217,
post-harvest decay, com, genetic analysis 3451,
potassium sorbate resistance, cheese isolates 659,
protoplasts fusion, interspecific hybridization, strains selection 5439,
mizospherer microorganisms, phytotoxins inhibition roots g
       Penicillin, (continued) effects on Staphylococcus aureus cell walls phospholipids content 3380, fermentation, fungi, biomass measuring techniques, probes 9085, fermentation, fungi growth monitoring, computer applications, media (culture)
                     fermentation, fungi growth monitoring, computer applications, media (culture) 9755.
                  9755
formentation models, computer applications, filamentous microorganisms 9756. 
Francisella tularensis antibiotic resistance mechanisms 6745. 
Neissenta gonorn/boae antibiotic sensitivity testing 3382. 
Penicilium chrysogenum, biosynthesis, bhenyl/phenoxyacetyl-CoA-ligase kinetics, substrate specificity 2780. 
production, Penicilium chrysogenum, mutants, revertants 6154. 
resistance. Strepticococus pneumoniae 5155. 
sensitivity, Strepticococus animal isolates 5193. 
Staphylococcus clinical isolates, susceptibility 3281. 
Strepticococus pneumoniae resistance mechanisms 5996. 
susceptibility, Strepticococus mitior, dilution tests, factors affecting 5179. 
enicillin amidaee,
         susseptioniny, Streptococcus minor, gillation tests, factors amering i 
Penticillin amidase, 
Bacillus megaterium, activity mechanisms, conferences 9159, 
biosynthesis, Bacillus megaterium constitutive mutant 2802. 
pur
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             rhizosphere microorganisms, phytotoxins, phytotoxins inhibition roots growth, Malus pumila 4141.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matus pumila 4141, socials of socials of minimum 1008 ( socials contamination 2641, spoilage effects on seeds germination, Vigna catjung 3919, staffer cultures, poultry asusages 3914, submergence, water pollution effects on 8977, tannins soil amendment effects on, respiration, glucose oxidation 593, uranium mobilization, mycelia growth, rocks 7014, uteine transformation 7465.
         Penicillin G.
                    antibiotic sensitivity testing, Neisseria gonorrhoeae 5240.
antibiotic sensitivity testing, Streptococcus group C, clinical isolates 7147.
effects on Macrophomina phaseolina spore germination 7760.
production, vesicles, immobilized cells, Penicillium chrysogenum protoplasts
                       +streptomycin treatment, bacteria infection, cattle, isolates susceptibility 8851.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Penicilium statum,
waste treatment, ethanol fermentation wastes, by-products recovery 9803.
Penicilium chrysogenum,
agmatine oxidase, purfication, characterization 1861.
Mentha piperata, extracts, antifungal activity 2479.
mixed culture, lignocellulose biodegradation 3772.
mutants, revertants, peniciliin production 6154.
mycelia, mannitol dehydrogenase purification, characterization, industrial wastes isolates 5514.
mycelia mognhalom, association, but de 2000.
         Penicillin N.
                                                                                                               ociation, cephalosporin C, glucose metabolism role. Cephalosporium
       conversion, association, cephalosponn C, glucose metabolism role, Cephalosp acremonium 8002.
purification, high-pressure liquid chromatography methodology, Streptomyces clavuligerus 9036.
Penicillin V acyclase, immobilized enzymes, kinetics 7326.
Penicillin-binding protein, affinity cephalosporins antibacterial activity, Bacteroides fragilis 7053. association, antibiotic resistance, β-lactam antibiotics, Closhidium
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           mycella morphology, association, beads 9985.
oxygen tension effects on penicilin biosynthesis 753.
oxygen tension effects on penicilin biosynthesis 1616.
phenylyhenoxyacetyl-CoA-ligase, purification, kinetics, penicilin biosynthesis 2780.
                  association, antibiotic resistance, B-lactam antibiotics, Clostridium perfringens 9651. 
bacteria, affinity certizatidime, antibiacterial activity 8835. 
binding clavulanic acid, sulbactam, effects on antibiacterial activity 7134. 
cefotetan binding, role antibiacterial activity, gram-negative bacteria, gram-positive bacteria 4373. 
Escherichia coli, Staphylococcus aureus, binding, monobactams, association, antibiacterial activity 3375. 
function, structure, role, β-lactam antibiotics resistance, bacteria, reviews
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             p. 736.

phosfolan biodegradation 5586.
protoplasts, immobilized cells, vesicles, penicillin G production 2542.
freology, liquid culture 9070.
tannase, isolation, purfication, characterization 7429.
uleine transformation 7465.
use, antibotics production, reviews 5238.
Penicillium citreoviride,
dipicolinic acid biosynthesis, role, survival 7445.
Penicillium citrium,
fensuldrition biodegradation 7538.
nutrient requirements, citrinin, biosynthesis 2064.
post-harvest decay, sorghum, stored products, effects on growth, Insecta 5799.
Penicillium commune,
mycelia, amino acid composition, single-cell protein, feeding trials, rats,
rabbits 4858.
nitrogen constituents 4714.
                               6397
                    purification, characterization, Streptococcus pneumoniae 912. 
relationship, autolysins activity, β-lactam antibiotics antibacterial 
activity 6088
                  Tole, antibiotic resistance, penicillins, Streptomyces cacaoi mutants 3297.

role, Streptococcus group D antibiotic resistance, B-lactam antibiotics 4273.

Streptococcus mutans, Streptococcus sanguis, antibacterial activity, cefoxitin, mecillinam 7135.
       Penicillins,
                renicalina, antivity 6150, antibacterial activity 6150, antibacterial activity 9709, antibacterial activity 19709, antibacterial activity, Protesae 5196, antibacterial activity, Protesae 5196, antibacterial activity, Pseudomonas, β-lactamase activity, disc-diffusion test, interpretation 6146, antibacterial activity, Pseudomonas aeruginosa 741, antibacterial activity, Pseudomonas aeruginosa 741, antibacterial activity, Streptococcus faecalis 8822, antibiotic antagonism, celoxitin, antibacterial activity, ceftizoxime, Pseudomonas 2533, antibiotic antagonism, chloramphenicol, rifampicin, Listeria monocytogenes 5247, antibiotic resistance, Staphylococcus aureus 3290, antibiotic resistance, Streptomyces cacaoi mutants, role, penicillin-binding protein 3297.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              rabolis 4050.
nitrogen constituents 4714.
Penicillium corylophilum,
biosynthesis, agroctavine-1, epoxyagroclavine-1 1973.
straw, cellulose biodegradation 3216.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Penicillium crustosum,
alkaloids mycotoxins production, beer contamination 8503.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             alkaloids mycotoxins production, beer contamination 8503. biosynthesis, penitrems, roquefortine 4896. penitrem A, biosynthesis, association, acetic acid, N.M.R. 6700. Pentclillium cyclopium, hormones, P-factor 3705. Pentclillium digitatium, +Geotrichum candidum, infection synergism, citrus 440. green mold, oranges, antifungal activity comparison, thiabendazole, sodium orthophenylphenate, CGA-64251 1319. green mold, oranges, post-harvest decay, imazaili treatment 9452. infection, Emblica officinalis, ascorbic acid content 3964. mycelia biomass use, solution uranium removal 9628. oranges, spoilage synergism, association benzimidazole sensitivity 1318.
                               protein 3297.
                protein 3297. antibiotic sensitivity testing, clinical isolates 742. antibiotic sensitivity testing, gram-negative bacilli 8001. antibiotic sensitivity testing methodology, factor affecting 6305. antibiotic sensitivity testing, Propionibacterium acnes, clinical isolates 3381. antimicrobial activity, mechanisms 9725. biological properties, chemical properties, books 8182. comparison, mezlocillin, antibacterial activity, gram-negative bacteria,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        mycelia biomass use, solution transum removal 9820.
oranges, spoilage synergism, association benzimidazole sensitivity 1318.
pectinolytic enzymes 5528.
pectinolytic enzymes, characerization, use, degradation, Solanum tuberosum 1866.
wound infection, citrus, post-harvest decay resistance 5802.
                comparison, mezlocillin, antibactorial activity, gram-negative bacteria, gram-positive bacteria 6141.

comparison, Penicillium interspecific hybridization 749.

comparison, Penicillium interspecific hybridization 749.

derivatives, synthesis, antibacterial activity 6097.

effects on inorganic pyrophosphatase levels, Escherichia coli cell division temporature-sensitive mutant 8000.

+mezicollin antibacterial activity synergism, gram-negative bacteria 7058.

Pseudomonas paucimobilis, antibacterial activity, drug resistance 2512.

resistance, population studies, Escherichia coli, Enterobacter loacea 629.

semisynthetic, antibacterial activity, gram-negative bacteria, Enterobacteriaceae 746.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Penicillium diversum,
austin metabolites structure, N.M.R. use 4898.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Penicillium etversum, austin metaboites structure, N.M.R. use 4898.

Penicillium expansum, blue mold, benomyl, disease control, association, stem rot, Alternaria alternata, Pyrus communis 9373. 
cross-resistance, dodine, association fenarimol resistance 7022. 
infection, Zea mays, propionic acid effects on growth 6746. 
somotic pressure, sensitivity, association, dicarboximide, resistance 6022. 
pears post-harvest decay, antifungal activity, surfactants +chlorine 1323. 
pectinolytic enzymes 7419. 
post-harvest decay, calcium chloride, disease control, apples 5798. 
post-harvest decay, prunes 5801. 
spoliage, mycotoxins contamination, preservation, corn 5643. 
use, thin-layer chromatography, bioassays, B-D-glucosidase, activity 7270. 
viridicatumioxin biosynthesis 6696. 
Penicillium funiculosum, 
cellulase, B-D-glucosidase, exo-cellobiohydrolase, immobilization, use, 
poly(vinyl alcohol) 8315. 
cellulase production, fermenters 3877. 
cellulase productio
                740.
semisynthetic, antibiotic synergism, aminoglycoside antibiotics, antibacterial
activity, Enterobacteriaceae 7125.
separation techniques, thin-layer chromatography 2549.
                standardization assays 4380.
structure-activity relationships, conformation 8818.
structure-activity relationships, conformation 8818.

PenIcillium,
antibiotics fermentation, detection, bacteria contamination, Bactec test 8824, biodegradation, phospholipids, triacylglycerols, cholesterol 2881, chemicals, antifungal activity 3338.
Citrinin detection, chromatography, grain 7589, contamination, cigarettes, Carnabis sativa 8172, contamination, feeds, mycotoxins 3888, contamination, fivifurit post-harvest decay, USA, California 5031, com spollage, storage 2096 dextranase electrophoresis 8249, disease control, factors affecting, barley storage 7724, distribution, feeds, radiation disinfection 7605, extracellular enzymes, polygalacturonase biosynthesis 1922.
```

Pentalenolactone, structure, isolation, Streptomyces 6205. Pentalonia nigronervosa, Penicillium funiculosum, (continued) exo-1,4-β-D-glucosidase, purification, characterization 6401, β-D-glucosidase, immobilized enzymes, characterization 4584, + Saccharomyces uvarum, ethanol production, cellulose, fermentation, hydrolysis disease transmission, viruses, bunchy top, Musa paradisiaca 7677 Pentamethoprim, + Saccharomyces twarum, emand production, centrose, remembers, 18401.

soil fungistasis 3179.

Penicillium gladol olithoxy-5-methylbenzoic acid biosynthesis, naphthomycin A 2-3-dicarboxy-10-thoxy-5-methylbenzoic acid biosynthesis, naphthomycin A 2-3-dicarboxy-10-thoxy-5-methylbenzoic acid biosynthesis, naphthomycin A 2-3-dicarboxy-10-thoxy-10antibacterial activity 8779. Pentas lanceolata, tomato mosaic virus infection, new records, Australia 9450. Pentosans, hydrolysis, slurries systems 9262. enroses, conversion, yeasts, ethanol production 9236. fermentation, yeasts, ethanol production 4728. inactivation, phage ΦΧ174, tobacco mosaic virus 701. Peperomia, leafspot, Myrothecium roridum 5747. Pepper mild mosaic virus, infection, Capsicum annuum, purification, characterization 409. infection, Capsicum annuum, purification, characterization 409.

Pepper motific virus,
disease resistance, genetic relationship, disease tolerance, Capsicum annuum x
Capsicum chinense 4093.

Pepper vein banding virus,
infection, capsicum annuum, epidemiology 3034.

Pepper veinal motific virus,
characterization, infection, Solanum melongena 2159. Infection, Pseudotsuga menziesii roots, incidence 4162.
soil microorganisms, growth, spore germination, ammonia, volatiles, effects on 2349
Penticilitum oxalicum, roquefortine, biosynthesis, association, oxaline 6698.
Penticilitum paraherquei, Paraherquonin, isolation, structure 8376.
Penticilitum purpursacens, biodegradation, straw, role, soil, volcanic ash, stabilization 5091.
Penticilitum ratistrickil, vermuculogen, biosynthesis, characterization 2071.
Penticilitum roqueforti, fermentation, mathematical models 3809.
Infection, Zea mays, propionic acid effects on growth 6746.
Ilipase production, factors affecting 7338.
Imycophenolic acid biosynthesis, strains specificity 982.
toxins biosynthesis 6695.
Penticilitum rubrum, leaf litter biodegradation 3771.
Penticilitum steckil, linamarase, detoxification, cassava fermentation 4778.
Penicilitum vertuces, ascidacio conversion, patulin 6690.
immobilized cells, patulin biosynthesis 5261.
Penicilitum vertucosum var. cycloplum, ochratoxin A biosynthesis, wheat 2062.
pathogenesis, Brassica campestris, fluorescence, microscopy 2188.
verrucosidin, structure 6691.
Penicilitum verrucosum, war. cycloplum, ochratoxin A biosynthesis, wheat 2062.
pathogenesis, Brassica campestris, fluorescence, microscopy 2188.
verrucosidin, structure 6691.
Penicilitum verrucusum, production, cellulolytic enzymes 3897.
soil, herbicides effects on 6707.
Penicilitum verrucusum, production, cellulolytic enzymes 3897.
soil, herbicides effects on 6707.
Penicilitum verrucusum, production, purfication, high-pressure liquid chromatography 7264.
varithomegin isolation, purification, physicochemical properties, kinetics
Penichitum verrucus della purification, physicochemical properties, kinetics infection, Physalis angulata, symptoms, Ivory Coast 1235. Pepsin. biosynthesis, Rhizopus chinensis, liquid culture 100. Pepstatin, assays 8276 Rhizopus chinensis, proteinase complex, X-ray diffraction 1904 Peptidase, Candida albicans, column chromatography, electrophoresis, colorimetry 6542. Candida albicans, column chromatography, electrophoresis, colo Peptide artibiotica, polythiazole containing, characterization, reviews 1682. trostin, molecular weight 6211. Peptide mapping, defense 3, synthesis 9780. Erysiphe graminis 1.sp.tritci, Colletotrichum lindemuthianum 925. phosphofructokinase subunits, Saccharomyces cerevisiae 941. phosphotructokinase subunits, Saccharomyces cerevisiae 941.

Peptide synthesis,
acetyl-CoA carboxylase biotin binding sites, interaction, magnesium, N.M.R.,
Eschenchia coli 4632.
gramicidin S analogs 5264.
gramicidin S, analogs structure-activity relationships, antibacteria activity,
gram-negative bacteria 9786. Streptomyces peptides immunostimulants 919.

Peptides, alamine, binding erythromycin A, antibacterial activity 1632. bonds cleavage, prohistidine decarboxylase, histidine decarboxylase conversion, Lactobacillus 4595 Lactobacillus 4959 lactobacillus hydrolase, production, factors affecting 1941. Streptomyces, immunostmularits, biological properties 921 Streptomyces, immunostmularits, peptide synthesis 919. Streptomyces, immunostmularits, structure 918. Streptomyces, immunosamulants, structure v1s. Peptidoglycans, Bacillus coagulans, structure, linkage galactosylglycerol phosphate 5532. biosynthesis, role, methicillin, antibiotic resistance, Staphylococcus aureu septa 5146. septa 5148.

biosynthesis, role, phospho-N-acetylmuramoyl-pentapeptide-transferase, amphomycin, inhibition, Bacillus megaterium 1561.

biosynthesis, Streptococcus mutans, Streptococcus sanguis, antibacterial activity, cefoxitin, mecillinam 7135.

Brevibacterium divancatum, biosynthesis, biotin stimulation 1957.

conformational analysis, bacteria cell walls 3714.

N.M.R. Brevbacterium divaricatum 7441. Penlophora laeta, marasmic acid, effects on, RNA biosynthesis, DNA biosynthesis 6083. marasmic acu, enecis ori, HIVA diosynthesis, DNA diosynthesis obds.

Penitrem A, biosynthesis, association, acetic acid, N.M.R., Penicillium crustosum 6700.

Penitrems, biosynthesis, Penicillium crustosum 4896. Peptococcus, compound U-57930E antibacterial activity 4379, infection, cephradine, treatment, in vitro antibacterial activity 4379, infection, cephradine, treatment, in vitro antibacterial activity 676, inidazole antibacterial activity 3328. biosynthesis, Penicillium crustosum 4896.

Pennisetum,
incidence, Azospirillum, rhizosphere microorganisms, tropical environment 7853.

Pennisetum americanum,
Azospirillum brasilense acetylene reduction 385.
cultivars, genotype-environment interactions, pathogenicity, downy mildew,
Sclerospora graminicola 6755.
cuttivars, germplasm, susceptibility, maize dwarf mosaic virus 9360.
cytoplasmic male sterility, plant breeding, susceptibility, downy mildew,
Sclerospora graminicola 5907.
disease resistance, Tolyposporium penicillariae smut, field trials screening
Q455. Peptones. molyticus, effects on amylase biosynthesis 1942. Vibrio parahaemolyticus, effects on amylase biosynthesis 1942.

Peptoatreptococcus,
clinical isolates, incubation, anaerobic environments 2680.
infection, cephradine, treatment, in vitro antibacterial activity 676.

Peptoatreptococcus anaerobius,
glucose concentrations effects on fermentation products 4551.
surrival, swabs transport system, temperature association 6334.

Peptoatreptococcus productus,
75-hydroxysteroid dehydrogenase (NADP+) purification, characterization
568. 9455 9455.
downy mildew, Sclerospora graminicola, pathogenicity, statistical analysis 6756.
pollination, effects on, smut, Tolyposporium penicillariae, pathogenesis 6777.
https://docs.org/arminicola/downy mildew, fungicides disease control 4116.
Sclerospora graminicola downy mildew, fungicides disease control 4116.
Sclerospora graminicola heterothallism 404.
seed treatments, metalaxyl, disease control, Sclerospora graminicola downy mildew
9602. 76-hydroxysteroid dehydrogenase, purification, characterization 2776.
Peracettc acid,
antibacterial activity, antifungal activity 7088.
antifungal activity, foot rol, pathogens, Gramineae 1394. Sciencspora graminicola helerofhalitem 40-seed freatments, metalaxyl, disease control, Sciencspora graminicola downy mildew antifungal activity, foot rot, patriogens, araminicola seed freatments, metalaxyl, disease control, Sciencspora graminicola downy mildew graminicola downy mildew graminicola downy mildew gramplasm disease resistance, productivity 473.

Sciencspora graminicola helicola downy mildew gramplasm disease resistance, productivity 473.

Perflucionalityl)-3-tetoesters, reduction, Science-productivity, 474.

Perflucionalityl-3-tetoesters, reduction, Science-productivity, 475.

Perflucionalityl-3-tetoesters, reduction, Science-productivity, 475.

Perflucionalityl-4-tetoesters, reduction, Science-productivity, 475.

Perflucionalityl-6-tetoesters, reduction, Science-Pennisetum typhoides, leafspot, Pyricularia penniseti, air spora, analysis 4000 473.

Pennlaetum typholdeum,
Clavioeps fusiformis ergot, incidence, relationship planting time 5712.
downy middew, Pernosclerospora, Scierospora graminicola, epidemiology 1186.
Dentachlorobenzyl elcohol,
blast, Orgyz asilva, effects on Pyriculana oryzae pathogenesis 5827.
metabolites, antifungal activity 8789.

Pentachlorophanol.

Periconia Circinata,
phytotoxins, effects on cytology, mitosis, roots, seedlings, Sorghum vulgare
\$344. phytotoxins, effects on ultrastructure, plasma membranes, roots, Sorghum vulgare 9345.

Periconia sarawatipurensis, pectin biodegradation 3776. Peridarmium bethelli, rust, association, Arceuthobium americanum+Pinus contorta 6932.

Peridontal diseases, roots surfaces, citric acid, antibacterial activity 2457.

metaconies, aniurilungai acuring oros.

Pentachiorophenol,
biodegradation, Arthrobacter, soil 2891.
effects on electron transport, soil microorganisms 2378.

Pentaclethra macrophylle,
seeds, fermentation, bacteria 6675.

Periodontal diseases,

association, oral hygiene, man, Tuvalu 8078. bacteria, prophylaxis, oral hygiene, man 1733. isolates, bacteria, antibiotic sensitivity testing 3376. man, dental plaque, disease control, spiramyon 3505.

Periodontitis,

oral microflora, sodium bicarbonate+hydrogen peroxide effects on, man 5353.

Periplaneta americana,

Peripianeta americana, vectors, spores. Botryodiplodia theobroma, yams, post-harvest decay 442. Peripiaemic space, Larabinose-binding protein, galactose-binding protein, purification, characterization, Escherichia coli 6374. maltose-binding protein, purification, characterization, Escherichia coli 6373. Rhizobium trifolii, β-D glucosidase, β-D-galactosidase, purification, characterization 5499.

D-xylose-binding protein, purification, characterization, Escherichia coli 6376.

Perithecla, Kretzschmaria clavus, relationship, root rot, Macadamia integrifolia 5731. production, Gaeumannomyces graminis var.tritici, methodology 2721.

biodegradation, soil microorganisms 9531. disease control, Phizoctonia solani, Glycine max 8625. effects on Acyrthosiphon pisum, feeding behavior, potato leaf roll virus, disease transmission 8526.

Perna canalicutus, pollution detection, water pollution, microbial pollution, enterovirus 3516.

Peronosclerospora, downy mildew, Zea mays, Sorghum vulgare, Pennisetum typhoideum, epidemiology, oowny midew, Zea mays, Sorghum vulgare, Pennisetum typhoideum, epidem reviews 1186.

Peronacierospora philippinensis, host range, Graminese, comparison, Peronacierospora sacchari, host range, Graminese, comparison, Peronacierospora sacchari, host range, Graminese, comparison, Peronacierospora philippinensis 6753.

Peronacierospora sorghi,

eronoscierospora sorghi, downy middew, disease resistance, plant breeding, Sorghum vulgare 4061. downy middew, disease resistance, plant breeding, Sorghum vulgare 4061. downy middew resistance, Zea mays, germplasm, population genetics 8626. downy middew, symptoms, Zea mays 2122. unfection, Zea mays, pathogenesis, association disease resistance 4085. osspores formation, Zea mays, India 3018. ocspores, infection, Zea mays, seedlings, inoculum, methodology 8551. types, differentiation, use, Sorghum bicolor leaves 3936.

Peronospora, infection, Dianthus, pathogenesis 7714.

Peronapora effuse, based of the peronapora effuse, blue mold, disease resistance, genetic analysis, Spinacia oleracea 1337. downy mildew, seed-borne diseases, Spinacia oleracea 9423.

blue mold, Spinacea oleracea disease control, metalaxyl+chlorothalonil treatment

blue mold. Spinacea oleracea disease control, metalaxy/+chlorothalonil treatm 5064

Peronospora hyoscyaml, blue mold, treatment, metalaxyl, Nicotiana tabacum 2287. infection, Nicotiana tabacum, susceptibility, metalaxyl 4126. metalaxyl resistance, blue mold, disease control, Nicotiana tabacum 5063. Peronospora manshurica, downy mildew, peroxidasea activity, leaves, Glycine max 346. Peronospora parasitica, downy mildew, disease resistance, Brassica napus 8609. downy mildew, disease resistance, Brassica napus 8609. downy mildew, disease resistance, Brassica pekinensis 8631. Peronospora sparas, infection, Rubus, cospores characterization 3997. Peronospora tabacina, blue mold, spores release, wind, disease spread, Nicotiana tabacum 4995. Peronospora trifollorum, downy mildew, Medicago sativa 5670. Peronospora vicias, downy mildew, medicago sativa 5670. Peronospora vicias, downy mildew, penetration, disease resistance, Pisum sativum cultivars 3141. Peronidase, activity, leaves Glycine max downy mildew, Peronospora manshurica 346.

sporulation, downy mildew, disease resease.

Peroxidase, activity, leaves, Glycine max, downy mildew, Peronospora manshurica 346. activity, soils (organic) 5925.

Armoracia lapathifolia, use enzyme-linked immunosorbent assay, hepatitis B surface artigen 825.

hydrogen peroxide, inactivation, aflatoxin M1, milk 285. induction, Nicotiana tabacum tissues, tobacco necrosis virus infection 318. Nicotiana tabacum, role disease resistance, tobacco mosaic virus, potato virus X 2162.

2102.

Tole hypersensitive response, disease resistance, tobacco mosaic virus, Nicotiana tabacum 1374.

Vigna sinensis, Cucumis sativus, tobacco necrosis virus infection, osmotic stress effects on 413.

Peroxidation, Nicotiana tabacum cell membranes, Cercospora nicotianae cercosporin role 9442.

Nicotiana tabacum cell membranes, Cercospora nicotianae cercosporin role 9442
Peroxisomes,
Cymbidium ringspot virus infection, Nicotiana clevelandii, effects on, vesicles, formation 4027.

Perses americana, avocado sunbioto disease viroid infected leaves, RNA detection 3028.
1-cetoxy-2-hydroxy-4-oxo-heneicosa-12,15-diene, antifungal activity, Collefortichum gloeosponoides, post-harvest decay 2471.
etiology, viruses, streak 9372.
Verticillium wilt incidence, Chile 5737.

Perses graftisima, prochloraz, disease control, anthracnose, stem rot 6833.

Perses Indica, calcium nitrate, ammonium sulfate, effects on, root rot, Phytophthora cinnamomi 2147.
Pertussia,

toxins biosynthesis, Bordetella pertussis, heptakis(2,6-O-dimethyl)β-cyclodextrin effects on 8523.

Peru, Triticum aestivum, incidence, Pyrenophora tritici-repentis spot 9356.

Perylene

biodegradation, composting 2875.

Pesotum,

cellulose decomposition 2879.

Peat attack,
Cucumis stem blight epidemiology, relationship 1248.
Cucumis stem blight epidemiology, relationship 1248.
plant diseases, infection susceptibility, Pinus contorta, Europhium clavigerum,
Dendroctonus ponderosa Scolytidae, susceptibility, Heterobasidion annosum, Verticicladiella, root rot, Pinus ponderosa 5865.

Peet control, Bacillus sphaericus spores, spore crystals, toxicity, Culex quinquefasciatus

Bacillus thuringiensis, Dioryctria amatella, persistence, Pinus taeda 7484. baculovirus, biological control, Lepidoptera 998. baculovirus, persistence, Insecta 1005.

Daducivirus, persistence, insecta 1005, biological control, Bacillus thurnigensis; Culicidae 297. biological control, Bacillus thurnigensis; pathogens, Insecta 999, biological control, Bacillus thurnigensis; Sitiprotia salicis 3718. biological control, Entomophthorales, Insecta 1000, biological control, Fusarium moniliforme var.subglutinans, Henosepilachna viginificotopunctata 1034.

viginitoctopunctata 1034.

biological control, Hyphomycetes, Insecta 1003.

biological control, Hyphomycetes, Insecta 1003.

biological control, Lagenidium giganteum, Culicidae 1014.

biological control, myxoma virus, Oryctolagus couniculus 6623.

biological control, nuclear polyhedrosis virus, Lymantria dispar 7476.

biological control, pathogens, conferences 1819.

biological control, viruses, dispersal, Arthropoda 989.

biological control, viruses, Nematocera 1016.

capitan, compatibility, Bacillus thuringiensis, stored products, Ephestia cautella, Piodia interpunctella 7495.

capitan, compatibility, Bacillus thuringiensis, stored products, Ephestia cautella, Piodia interpunctella 7495.

capitan, compatibility, Bacillus thuringiensis, stored products, Ephestia cautella, Piodia interpunctella 8351.

capitan, compatibility, Bacillus thuringiensis, stored products, Ephestia cautella, Piodia interpunctella 8351.

capitan, compatibility pasidium studies and products a

disease control 9479. Helothis virscens, nuclear polyhedrosis virus, Cicer arietinum extracts, feeding behavior stimulante 6598. Heliothis zea nuclear polyhedrosis virus, Heliothis 1041. Insecta, biological control, pathogens, methodology, dissemination, fungi 994. nuclear polyhedrosis virus, Hyphantria cunea 1044. nuclear polyhedrosis virus, morfalty, Heliothis virescens 7224. pathogenicity, Bacillus thuringiensis, Culicidae 296. pathogenicity, environmental effects, Bacillus thuringiensis, Culex pipiens, Aedes aegypti 295. pathogens, biological control, foliar applications, crop fields, Insecta 992. pathogens, biological control, foliar applications, Insecta 993. pathogens, biological control, foliar applications, methodology, crop fields, Arthropoda 991. pathogens, fungi, Insecta 995.

pathogens, fungi, Insecta 995. pathogens, Metarhizium anisopliae, biological control, Nasutitermes exitiosus

pathogens, safety regulations 1025, pathogens, viruses, baits, insecta 990. Streptomyces avermitilis, lavermeetin, reproduction inhibition, Solenopsis invicta 1964

1904: Traleurodes vaporanorum, biological control, Verticillium lecanii 126. vrulence, bioassays, Entomophthorales, Insecta 1001. Zoophthora radicans pathogens, Therioaphis trifolii maculata 1033.

Pest resistance,

disease control, tungro virus, Nephotettix virescens, Oryza sativa 5548. Pestalotia foedans, bite acids conversion 3798.

bile acids conversion 3790.
Peatalotiopsis glandicola, collulose hydrolysis, amino acids, carbohydrates effects on 7547.
Peatalotiopsis versicolor, cellulase fermentation 9155, cellulase fermentation 9156, lear blotch, fruir ort, Punica granatum 7680.
Peatalozzia palmarum, lealspor, disease control, fungiordes, Cocos nucifera 1391.

resucide applications, carbofuran, fonofos, soil characteristics, pesticide residues, soil microorganisms 8705. disease control, leaf blight, Cucumis melo, factors affecting 3150. larvicides, equipment, methodology, Bacillus thuringiensis, Culicidae 9204. soil, carbofuran, disease transmission, maize chlorotic dwarf virus, maize dwarf mosaic virus, Graminella nigriffrons, Rhopalosiphum maidis 7738. Pesticide residues, carborul, soil microproprisms biodeconder.

carbaryl, soil microorganisms biodegradation, nutrient requirements, flooded soils 9620.

source applications, effects on soil microorganisms 8705. carbofuran, fonofos, pesticide applications, effects on soil microorganisms 8705. chlorothalonil deposition, Solanum tuberosum, mathematical models 1407. 2,4-D, poliution effects, soil microorganisms, respiration, nitrogen fixation 9621.

nitrofen, biodegradation, persistence, mobility, soil microorganisms, Canada 8704

antibacterial activity, nitrogen-fixing bacteria, Eichlornia crassipes isolates

8770.
antibacterial activity, Rhizobium (aponicum 9670.)
biodegradation, soil microorganisms 9531.
biodegradation, soil microorganisms 9531.
biodegradation, soil microorganisms 9531.
biodegradation (application of the soil microorganisms, mathematical models 161.
et al. (application of the soil microorganisms, mathematical models 161.
et al. (application of the soil microorganisms, α-amylase, ATP activity, soils (application) of the soil microorganisms + phytotoxins, etiology, decline, Zea mays 367.
etionication of the soil microorganisms + phytotoxins, etiology, decline, Zea mays 367.
etionication of the soil microorganisms + phytotoxins, etiology, decline, Zea mays 367.
etionication of the soil microorganisms + phytotoxins, etiology, decline, Zea mays 367.
etionication of the soil microorganisms + phytotoxins, etiology, decline, Zea mays 367.
etionication of the soil microorganisms + phytotoxins, etiology, decline, Zea mays 367.
etionication of the soil microorganisms + phytotoxins, etiology, decline, Zea mays 367.
etionication of the soil microorganisms + phytotoxins, etiology, decline, Zea mays 367.
etionication of the soil microorganisms + phytotoxins, etiology, decline, Zea mays 367.
etionication of the soil microorganisms + phytotoxins, etiology, decline, Zea mays 367.
etionication of the soil microorganisms + phytotoxins, etiology, decline, Zea mays 367.
etionication of the soil microorganisms + phytotoxins, etiology, decline, Zea mays 367.
etionication of the soil microorganisms + phytotoxins, etiology, decline, Zea mays 367.
etionication of the soil microorganisms + phytotoxins, etiology, decline, Zea mays 367.
etionication of the soil microorganisms + phytotoxins, etiology, decline, Zea mays 367.
etionication of the soil microorganisms + phytotoxins, etionication of the soil microorg

Phaeocryptopus gaeumannil, (continued) stages, USA, Washington 6928. needlecast, Pseudotsuga menziesii, disease control, aerial applications, chlorothalonii, USA, Washington 6879 Peaticides (organophoaphorus), derivatives, O.O-dimethyl phosphorodithioate, biodegradation, Pseudomonas, Thiobacillus thioparus 3787. effects on, anthracnose, Colletorichum gloeosponoides, cutinase, activity, Canca papaya 8583. Phaeodactylum tricornutum, comparson, Skeletonema costatum, extracts, antibacterial activity, Staphylococcus 7162.

Phaeolariopais griseole, plants diseases, new records, New Zealand 3899.

Phaeoseptoria eucalypti, leafspot, Eucalyptus, New Zealand 7706.

Phaeotrichoconis crotalariae, leafspot, Chrysalidocarpus lutescens, etiology 1269.

Phage X. Phaeodactylum tricornutum, hydrolysis phosphatase, purification, Alcaligenes 2773. inhibition, Fusarium solani f.sp.pisi, cutinase, penetration, Pisum sativum 2279 Pesticin, Yersinia pestis, production, synthetic media 1680. Peats. damage, crop fields, Aphididae, Triticum 3001. Ostrinia nubilalis, infestation, relationship stalk rot, Gibberella zeae, Fusarium graminearum, Zea mays 3949. Triticum aestivum, control, insecticides 2273. heatsput: orn phage X, antiviral activity, quaternary ammonium compounds 1571. mulagenesis, y radiation induction 1580. Phage D-29, activities culture use phage typing, Mycobacte Petite mutant. charomyces cerevisiae, sugar fermentation ability 9247. Saccharomyoss cerevisites sugar Petri dishes, assays, Candida albicans, phospholipase, extracellular enzymes 7327. Petriella guttulata, antibiotic WF-3161 biosynthesis, isolation, characterization, antifungal activity, Trichophyton asteroides, antitumor activity 7451. survival, continuous culture, use phage typing, Mycobacterium smegmatis 9010. nactivation, ammonia role, heat effects on 7945.
Indicator species, ground water microbial pollution 8979.
Phage MyF2 P/59, activity, Trichophyton asteroides, antitumor activity /451.

Petroleum,
biodegradation, Candida tropicalis, Yarrowia lipolytica 5992.
biodegradation, Mycobacterium 7869.
biodegradation, Pseudomonas desmolyticum, sulfur metabolism 5991.
biodegradation, sulfur bacteria 2015.
contamination, microorganisms, sulfate-reducing bacteria, Cladosporium resinae
contamination, microorganisms, sulfate-reducing bacteria, Cladosporium resinae survival, continuous culture, use phage typing, Mycobactenum smegmatis 9010, Phage M13. purification methodology 3510. Phage typing,
relationship, plasmids transfer, antibiotic resistance, Staphylococcus aureus 8721 Brizobium, Galega infection, taxonomic significance 8696 Shigella sonnei phages 3519. Staphylococcus aureus 893. effluents, digestion (anaerobic), bioreactors 5287 emetrus, uggestion (anaerooic), ordreactors 5287, industrial sites, industrial wastes, environmental effects, bibliographies 2609, oil and gas industry, wastewater treatment 6250, sand, soil microorganisms, respiration, biomass 5916, soil microorganisms biodegradation, industrial wastes, oil and gas industry, land disposal 5983. Staphylococcus aureus 935. Staphylococcus aureus, food contamination, meat 2920. use phage D-29, phage MyF2 P/59, continuous culture survival, Mycobacterium smegmatis 9010. Phage 14, disposal 5983.
sulfur compounds, biodegradation, bacteria 5597.
use, single-cell protein production, microorganisms 2930.
Petrosaltum hortense,
cell culture, tungi infection, phytoalexins biosynthesis enzymatic activity 5767.
cell culture, tungi infection, phytoalexins induction 5765.
Petunia asteroid mosaic virus,
comparison, tombusvirus isolation, Prunus, identification 390.
Petunia hybrida,
sour chemy necrotic ring spot virus infection 2144.
Pezicula mallecorticis,
canker, disease resistance, Malus pumila 1357.
pH. nage 14,
antiviral activity, quaternary ammonium compounds 1571.
deoxycytdylate hydroxymethyltransferase purification, characterization 7363.
polydeoxytdynoucleotide synthetase (ATP), immobilized enzymes, DNA fragments
ligation 2755. polyribonucleotide synthetase (ATP), use fluorescent probes, biotin labelling RNA 9833 tRNA labelling, polyribonucleotide synthetase(ATP) use 9860. HINN abelling, poyriboriudeloude synthetase(ATP) use 9660.
Phage ΦX174, anthracycline antibiotics inactivation, association, DNA binding 1582. disinfection, indicators, methodology 7964.
DNA biosynthesis inhibition, aclacinomycin A role 9775. Canker, disease resistance, Maius purinia 1537.

association, Detryosphaenia obtilidea white rot development, Malus 4975.
association, Candida guilliammondii continuous culture 2725.
association, Candida guilliammondii continuous culture 2725.
cetomycorhizas growth relationship 5900.
effects on acetone, butanol, production, Clostindium acetoburylicum 5563.
effects on, asparaginase, inactivation, Saccharomyces cerevisiae 5519.
effects on Aspergillius terreus cellulase biosynthesis 3663.
effects on assays, 9-D-fructofuranosidase, amylase, Chionochloa rigida grasslands soil, New Zealand 9565.
effects on Campylobacter fetus subsp.jejuni media (enrichment), isolation, poultry 8141.
effects on Collostindium botulinum growth 8497.
effects on Clostridium botulinum growth 8497.
effects on enzymes activity, soil 2338.
effects on hepatitis A virus, indicator species, inactivation, chlorine, disinfection, drinking water 9812.
effects on hepatitis A virus, indicator species, inactivation, chlorine, disinfection, drinking water 9812.
effects on hebcochazole antifungal activity, Candida albicans 3334.
effects on ketoconazole antifungal activity, Candida albicans, Candida paragsilosis 5201. pentoses, inactivation 701 Phages,
Broothrix thermosphacta, isolation, beef, characterization 7568.
concentration, isolation, waste water, methodology 2654.
conjugation, Eschenchia coli toxins gene transfer, toxicity, laboratory animals, domestic animals 9315.
contamination, cheddar cheese starter cultures, milk 4804 contamination, cheddar cheese starter cultures, milk 4804.
contamination, rivers, Yugoslavia 2620.
Cyanophyta, aerosols, wastewater treatment, indicator species 9796.
high-performance liquid chromatography, detection Salmonella 3579.
inactivation, antiviral activity, 7-N-(p-hydroxyphenyl)mitomycin C 1581.
inactivation, plante derivatives, synthesis 1577.
isolation methodology, water, reviews 2649.
lactic acid bacteria, survival, cold storage 8103.
lysis, seration induction, Bacillus thuringiensis subsp.thuringiensis, culture 6314.

Pusis hardrain use Inc plasmids classification 9879. lysis bacteria, use, Inc plasmids classification 9879.
microbial pollution, recreation sites, swimming 8970.
monitoring, use, characterization, Ensifer adhaerens, predatory behavior, soil ouesu. plaques diameter, measuring techniques 832. Serratia marcescens, monitoring, sewage treatment 3462. Shigella sonne, phage typing 3519. starter cultures, meat, Lactobacillus plantarum, isolation, characterization effects on keloconazole antifungai activity, Candida atinicans, Candida parapsilosis 5201.

effects on, Micromonospora inyoensis, sisomycin bispiesis 6229.

effects on novobiocin antibacterial activity 6228.

effects on Propionibacterium continuous culture, biomass, growth rate, extracellular enzymes production 7312.

effects on, Rhizobium mellioti, nodulation, Medicago sativa 3238.

effects on, Rhizobium mellioti, nodulation, dedicago sativa 3238.

effects on, Salmonella typhimurium, Escherichia coli, growth, animal wastes, pigs apc.4. 6676
Streptococcus, viability, whey 4806
tracers, ground water microbial pollution 3479.
Phagocytosis,
fungi, take-all, Trificum aestivum, soil microorganisms, amoeba 4223
Gaeumannomyces gramnins var.trifici. Phytophthora cinnamomi, Cochiiobolus
sativus, role, Leptomyxida, soil 563.
Phagolysosomes,
pH intracellular levels, phagocytosis, Staphylococcus aureus, bactericidal
activity, ammoglycoside aritibiotics, rifampicin 9733.
Phakopsora pachyrinizi,
rust, disease resistance inheritance, genetic analysis, Glycine max 6858.
rust, Glycine max leaves, microscopy analysis 8543.
Phalaris aguattica, 6676 8954 ossa. effects on Staphylococcus aureus antibiotic tolerance, oxacillin 3408. effects on Staphylococcus aureus survival, freeze-thawing, meat 4816 effects on subtilisin conformation, C.D., fluorescence, kinetics, Bacillus subdis 9. Subdis Phalaris aquatica, decomposition, soil microorganisms, phosphorus macromolecules levels 573. Phallolysin, on, physicochemical properties, Amanita phalloides 9312. Phallotoxina, Amanita phalloides, resistance, mice, fibroblasts 8502. Amanita phalloides, resistance, mice, fibroblasts 8502.

Phatrospora,
host range, rust. Discorea 4013.

Phanerochaete chrysosporium,
biodegradation, aromatic compounds, catechol 7544.
dissolved oxygen transfer, lignin biodegradation 5588.
dyes decolorazion, association, lignin biodegradation 6646.
ethylene production, association, -c-xoc-y-methylthiobutyric acid 1517.
hydroxyl radicals role lignin biodegradation 2001.
lignin biodegradation 6644.
lignin, biodegradation, metabolism 3778.
lignin biodegradation, oxygen role 3763.
lignin solubilization, depolymerization 5589.
lignocellulose biodegradation, oxygen role 7550.
nitrogen sources effects on cellulose biodegradation 3770.
nitrogen sources effects on lignin biodegradation 2880. tolerance, Yersinia enterocolitica, relationship, nutrient enrichment, isolation, methodology 8475.
topography, Endomyces magnusii, fluorescent probes methodology 8169.
Phacidlum (infestana, blight, Pinus sylvestris survival, reforestation 4164.
Phadebact test, detection, Haemophilus influenzae cerebrospinal fluid, meningitis diagnosis 9941.
Phaeocryptopus geeumannii, infection, Pseudotsuga menziesii, Canada 7785.
needlecast, infectivity, relationship, Pseudotsuga menziesii developmental

Phanerochaete sacrata,

Prenerocinetie secreta, canker, disease resistance, rootstocks, Malus 2259.

Pharmaceuticals, antibacterial activity 8753.

Bilidobacterium, counting methods 175.

coatings, use, polymers solutions, microorganisms growth association 5345. industrial wastes, soil microorganisms decomposition, land disposal, reviews coad. 5984

P

narmacoknesics.

bactericidal activity, amikacin, gentamicin, tobramycin, in vitro 4386.

ceftazidime, antibacterial activity, Escherichia coli, in vitro 4387.

gentamicin, bactericidal activity, Escherichia coli, in vitro 4387.

relationship antibiotic sensitivity testing, clinical microbiology 4329.

trimethoprim, antibacterial activity, sulfonamides synergism 4289.

haryngitte.

Streptococcus, man, diagnosis, nitrous acid extraction+agglutination 9905.

Phase variations,

yeasts fermentation, analysis, spectrometry 5433.

haseolus,

Pleaseolus (Please Presidence White mold, Sclerotinia sclerotiorum 1365. Sclerotinia sclerotiorum white mold, USA 4940.

Phaseolus angularis, Japan, Phialophora gregata isolates, pathogenicity 4932

Phaseolus aureus,
mung bean mild mosaic virus pathogenicity, Rhizobium inoculation, nitrogen fertilizers erfects on 8534.
plant breeding, disease resistance, mungbean yellow mosaic virus 446.

Phaseolus coccineus, nodulation, specificity, Rhizobium phaseoli 598.

Phaseolus culgaria, Phaseolus vulgaria, Phaseolus vulgaria, Aphanomyces euterches f.sp. phaseolis virus 8442.
Aphanomyces euterches f.sp. phaseoli virulence, comparison Pythium ultimum 347. assays, lesions, pathogenicity, infection, bean common mosaic virus s642.
bacteria bight, disease control 9462.

mosaic virus 8542.

bacteria blight, disease control 9462.
bean common mosaic virus, plant diseases, pathology, 2996.
blological control, Agrobacterium radiobacter, crown gall, Agrobacterium tumefaciens 2838.
black line, association, cherry leaf roll virus, cytopathology 339.
blight, bathogenicity, Rhizoctonia solani isolates 1134.
blight, Xanthomonas campestris, comparison Vigna unguiculata, pathogenesis 340.
colletotrichum lindemuthianum anthracnose epidemiology, Canada 4933.
crop rotation, Vigna unguiculata, Zea mays, nodulation, growth 1504.
cucumber mosaic virus disease transmission, Aphididae 7654.
defense mechanisms, phytoalexins, antibacterial activity, Xanthomonas campestris pry-phaseoli 1383.
py-phaseoli 1383.

pv. phaseoli 1383.

defense mechanisms, phytoalexins induction, infection, Uromyces phaseoli 1352.
disease resistance, Colletorichum lindemuthranum 4068.
disease resistance, profesins, tobacco mosaic virus 8609.
disease resistance, Pseudomonas vulgaris blight, bean common mosaic virus mosaic
disease, Colletorichum lindemuthianum anthracnose 5815.
disease resistance, tobacco mosaic virus, callus deposition, role boron 1377.
disease resistance, colletorichum campestris pv. phaseoli blight, tropical
environments 5052.

https://doi.org/10.1006/j.com/10.1006/j.

environments 5052 hypersensitive response, leaves proteins, infection, Colletotrichum lindemuthianum, affalfa mosaic virus, peanut stunt virus 1333. infection, southern bean mosaic virus, characterization, vanability 333. infection, lobacco mosaic virus, actinomycin D antiviral activity 6888. inheritance, blackeye cowpea mosaic virus, cowpea aphid-borne mosaic virus disease resistance 4088. Isaniopsis grissola. Colletotrichum lindemuthianum disease resistance, genetic variance 6863. necrosis, Pseudomonas syringae pv.tomato, etiology 3065. necrosis, Pseudomonas syringae pv.tomato, etiology 3065. nodulation, specificity, Rhizobium phaseoli 598. nodules, nitrogen fixation, Rhizobium phaseoli, glutamine synthetase, nitrogenase 6985.

pathology, symptoms, mixed infection, between hydratase bosynthesis 345, pathology, symptoms, mixed infection, between hydratase bosynthesis 345, pathology, symptoms, mixed infection, between yellow mosaic virus, cowpea severe mosaic virus, cowpea mosaic virus 2994, peanut sturt virus isolation, USA, Arkansas 1127, penetration structure, Botrytis cinerea conidia 9332, phytoalexins, disease resistance, anthracnose, Colletotrichum lindemuthianum 1360.

plant diseases, surveys 7659. plant extracts, Pseudomonas phaseolicola cell agglutination, role, pathogenesis 8540.

8540.
planting density effects on nitrogen fixation 6983.
pod rot, Bottrytis cinerea spores dispersal, incidence 5896.
polyvirus infection, pathogenicity, Populus isolates 316.
Pythium blight, disease control, metalaxyl 9493.
Phizobium phaseoli inoculation, nitrogen fixation, land reclamation, mines 5108.
root rot incidence, USA, Wisconsin, bioassays 3923.
rust, developmental stages, association, susceptibility, Vigna sinensis rust 6742.

Scierotinia scierotiorum ascospores infection; eyempaseoli, detecutor, immunofluorescence 5800, santhomonas campestris pv.phaseoli, detecutor, immunofluorescence 5800, santhomonas campestris pv.phaseoli, detecutor, immunofluorescence 5800, southern bean mosaic virus, Brazil 2098.

Southern bean mosaic virus, disease transmission, feeding, regurgitation, Epilachna varivestis, Cerotoma triflurcata 6738.

Eritatis 5754.

Phenylhepta-1,3,5-triyne, acculture, Pythium aphanidermatum culture file function. Blacins pilosa tissue culture, Pythium aphanidermatum culture function. Bacillus cereus 940.

Epilachna varivestis, Cerotoma triflurcata 6738.

Epilachna varivestis, Cerotoma triflurcata 6738.

Epilachna varivestis, Cerotoma triflurcata 6738.

Phenylhepta-1,3,5-triyne, acculture, Pythium aphanidermatum culture function. Bacillus cereus 940.

Epilachna varivestis, Cerotoma triflurcata 6738.

Epilachna varivestis, Cerotoma triflurcata 6738.

Phenylhepta-1,3,5-triyne, acculture, Pythium aphanidermatum culture function. Bacillus cereus 940.

Epilachna varivestis, Cerotoma triflurcata 6738

Phaseolus vulgaris, (continued) tobacco necrosis virus infected, hypocotyls, light, effect on 2992, treatment, dinoseb, root rot. Pythium ultimum 1387.
U.V. radiation effects on hypersensitive response, tobacco mosaic virus 3111. Uromyces appendiculatus var.appendiculatus rust, chlorothalonil disease control 3491.

94-91. Uromyces phaseoli inoculation methodology 5685. web blight, Rhizoctonia solani, mulches disease control 5050. Xanthomonas phaseoli pathogenicity, sulfur dioxide effects on 334.

Phellinus, heart rot, wood decay, oxygen, carbon dioxide effects on 5084

Phellinus noxius, rot, Hevea brasiliensis, pathogenesis 5081.

rot. Hevea brasiliensis; pairiogo.

Phellitus plnt,
association, rust, Cronartium comptoniae, pathology, Pinus banksiana 548.
infection, trees, wind barners, distribution 4175.

Phellitus pini var.carcriformans,
Phellitus pini var.carcriformans,

decay, canker formation, Abies concolor, Abies balsamea 538.

Phellinus pini var.pini,
decay, canker formation, Abies concolor, Abies balsamea 538.

Phellinus robinese,

infection, trees, wind barriers, distribution 4175.

infection, trees, wind barriers, distribution 4175.

Phellinus welril,
infection, Pseudotsuga menziesii, treatment, furnigants 545.
melanins, role wood decay 6933.
root rot, disease spread, Pseudotsuga menziesii 5072,
root rot, mortality, Pseudotsuga, Abels, forests 5075.
root rot, Pseudotsuga menziesii 5858.

Constitutional antianguine foreste 2998.

Streptomyces antagonism, forests 2298.
Phenanthrene,

metabolism Phenapronil, m, microorganisms, replica plating, detection, enumeration 3577.

powdery mildew control, Rosa 5044. Phenazine,

biosynthesis, Brevibacterium iodinum 7457. Streptomyces cinnamonensis, biosynthesis 8034.

p-Phenetidine, biodegradation, aerobic conditions 8436.

Phenmedipham, biodegradation, mineralization, soil microorganisms, Pseudomonas 5926. mineralization, soil pH effects on 5928.

biodegradation, anaerobic bacteria, waste disposal sites, British Isles 3799. biodegradation, bacteria, sewage sludge 8941. biodegradation, soil microorganisms, chemical pollution 8420. biodegradation, Streptomyces setonii 2896. methanogenesis, bacteria, contamination, aquifers 4450.

conversion, Pseudomonas putida, structure effects on 2882. effects on, Graphium penicillioides, biosynthesis, pectate lyase, pectin lyase

5515.
elimination bacteria contamination, vaccinia virus samples 2857.
Eucalyptus, effects on Cryphonectria cubensis conidia spore germination, mycelia growth, role, disease resistance, canker 5514.
levels, Lagenaria vulgaris, fruit rot, Botryodiplodia theobromae 7718.
levels, Cyras astiva, phytopathogenic fungi infection 6763.
solubility proteins, plants leaves, electrophoresis, relationship, viruses infection 2982.
structure-activity relationships, Escherichia coli arribacterial activity 7558.
substituted structure-activity relationships, artifutural activity. Tichophytop.

structure-activity relationships, escarational coil annuaciental activity. Trichophyton substituted, structure-activity relationships, antifungal activity, Trichophyton rubrum, Epidermophyton flocoseum 3338 sugars, Brassica junosa, white rust resistance 5769.

Phenothiazines,
+amphotericin B, antifungal activity, Candida 4391.

Phenotype mixing, animingal activity, Carolina 4391.

Phenotype mixing,
Glycine max, disease resistance, Phytophthora megasperma f.sp.glycinea, infection
1373.

1373.
Phenotypes,
screening, disease resistance, rust, Dactylis glomerata 6856.
Phenoxazinone,
biosynthesis, Brevibacterium iodinum 7457.
Phenoxyacetic acid,
derivatives, Aspergillius niger biodegradation 6649.
Phenoxyethanol,
antibacterial activity 6040.
N-Phenyl-N-3-hydroxyphenylthloures,
encephalomyocardisis virus infected ascites tumor cells, effects on RNA
biosynthesis 9880.
encephalomyocardisis virus infected ascites tumor cells, effects on protein
biosynthesis 9684.
Phenylsected actid.
Phenylsected actid.
Phenylsected actid.
Phenylsected actid.
Phenylsectivity 9660.
production, gas chromatography, Bacteroides melaninogenicus subsp.intermedius
5482.

5482
Phenylacetylcarbinol, production, yeasts 1974.
Phenylalanine, biodegradation, bacteria, catechol-2,3-dioxygenase 157.
biosynthesis, Pseudomonas, 4-chlorobenzoic acid media 7308. metabolism transfer, gramicidin S synthetase activity, Bacillus brevis gramicidin S deficient mutant 8207.
Phenylalanine ammonia-lyase, levels. Oryza sativa leaf bilght 384. stimulation, Plasmopara halstedii, downy mildew, Helianthus annuus 9405.
Phenylalyoxal.

Subject Index Phomopsis vaccinii, (continued) fruit rot, Vaccinium corymbosum, USA, North Carolina 3980. Phony disease, Phenylmercuric acetate, (continued) infection 8645.
Phenylobacterium immobile, Phony disease,
Prunus persica, bacteria detection, enzyme-linked immunosorbent assay 7684.
Prunus persica, Rickettsia-like organisms isolation, culture, pathogenicity 6787.
N-Phophonomethyl glycine,
effects on Glycine max phytoalexins accumulation association Pseudomonas syringae hratoxin A biodegradation 6656. Phenylureas, gram-negative bacteria biodegradation 2898. Phenyliphenoxyacetyl-CoA-ligase. Penicillium chrysogenum, purification, kinetics, penicillin biosynthesis 2780. Philoiphora gregata, isolates pathogenicity, Phaseolus angularis, Japan, Glycine max, USA 4932. stem rot, disease resistance, plant breeding, Glycine max cultivars 5040. stem rot, disease resistance, plant breeding, Glycine max 9457. Philaenus arumarius. Phenylureas, 498 Phoric acid, effects on Rhizobium nodulation, Vigna sinensis 4251. Phosethyl aluminum. antibacterial activity 8633. Phosethylai, Philaenus spumarius, vectors, mycoplasma-like organisms, stunt, Rubus 3057. omamental plants disease control 5056. vectors, injuciplisaria-inic vigoria.

Philippines, cadang-cadang, incidence, Cocos nucifera 1208, cadang-c Phosfolan, biodegradation, Rhizoctonia solani, Penicillium chrysogenum, Trichoderma viride 5586 Phosholipase A, levels, Trichophyton rubrum resistant mutant, undecanoic acid drug resistance 7877. leaf blight, Erwinia chrysanthemi, nitrogen sources effects on 1298 Phosphatase sap, collection, characterization, mycoplasma-like organisms yellows, Cocos nospiratuse, activity, soil microorganisms, soil physicochemical properties effects on 5089, pesticides (organophosphorus) hydrolysis, purfication, Alcaligenes 2773, soil microorganisms, kinetics 2343, sap, collection, characterization, injudpitashira-line digaliatins yendws, occur nuclfera 388. sap, composition, mycoplasma-like organisms yellows, Cocos nuclfera 385. Sonchus oleraceus, beet yellow stunt virus detection, pathogenesis 4036. Phlyctochytrium, turimycin, fermentation, regulation 8037. parasitism, Gigaspora margarita, Glomus fasciculatus, fungicides, effects on Phosphate, batch culture. Escherichia coli 878. batch culture, Escherichia coli 8/8.

binding sites, adenosinetriphosphatase β-subunit,
4-azido-2-introphenyiphosphatae photoaffinity labelling, Escherichia coli 4687.

biomass, soil microorganisms, measuring techniques 567.

buffers, blood culture, sodium chloride, Legionella pneumophila 851.

fertilizers, association, Glomus fasiculativa vesicular-arbuscular mycorrhizas inoculation, effect on Capsicum annuum, growth yield 4227. Phoenix canariensis Graphiola phoenicus infection, ultrastructure, taxonomy 4008 Pholiota mutabilis, Pholiota murapuis,
laccase, punification, characterization 6407.

Phoma,
tungal flora, Fagus grandifola bark 1438.
invasion, Trifolium repens 5692.
Phoma arachidicola,
blotch, interspecific relationships, Cercospora arachidicola leafspot, yield,
Arachis hypogaea 2998.
leafspot, disease control, fungicides, Arachis hypogaea 9485.
Phoma asparagi,
infection, Asparagus officinalis 7700.
Phoma betae,
infection, Beta vulgaris, roots, symptoms 3996.
Phoma chypsanthemicola,
infection, vegetables, plants, disease control 2267.
invasion, Trifolium repens 5692.
Phoma costarricansis,
disback, seedlings, Coffea 7682.
Phoma exique,
infection, Vigna radiata, biodetenoration, seed-borne diseases 3915.
pectin lyase, pectate lyase production, role seed rot, Vigna radiata 7413.
post-harvest decay, storage, Carica fruits 7719.
proteinase production 3670.
Phoma exique var.foreata,
appurana, epidemiology, Solanum tuberosum 6827. laccase, punification, characterization 6407. fertilizers, uptake, Glomus fasciculatus, growth, Lolium rigidum, Trifolium subterraneum 9547. subterraneum 954.r., inhibition 4-hydroxybenzoate 3-monoxygenase, Pseudomonas fluorescens 8275. Lactuca sativa, effects on Glomus mosseae symbiosis 5903. Levels, soil, Rhizobium, vesiculiar-arbucomizas, yield, Medicago sativa media, association, Bacillus megaterium spores, heat resistance, chemicals resistance 3280.
mycorrhizas, absorption, nutrient transport, Ericales 9538.
release, streptomycin, fermentation, Streptomyces gnseus 8003.
release, turimycin, fermentation, regulation 8038.
requirements, turimycin production, Streptomyces hygroscopicus 3439.
solubilization, carbon sources, fung, soil 9533.
solubilization, organic acids, phosphate-dissolving bacteria, Aspergillus,
Penicillium, soil 3187.
solubilization, inherethate fundamental productions and productions of the solubilization organic acids, phosphate-dissolving bacteria, Aspergillus,
solubilization, inherethate fundamental productions are solved to the solution of solubilization, phosphate-dissolving bacteria, Aspergillus niger, uptake, Oryza sativa 3188. sativa 3186.

sativa 3186.

solubilization, Streptomyces, Aspergillus niger, soil 3214.

Streptomyces griseus, effects on streptomycin biosynthesis 7151.

uptake, mycormizas, roots, Trifolium subterraneum 559.

uptake, vesicular-arbuscular mycormizas, Alilum cepa, Capsicum 6948.

Phosphate-binding protein,
biosynthesis, relationship phos gene, Eschenchia coli 4553.

Phosphate-dissolving bacteria,
acid producton, aluminum phosphate solubilization 5891.

growth, inhibition, 2,4-D, 2,4-dichlorophenoxyl-2,7-birtopherzyate, Triticum
5-methyti2-4-dichlorophenoxyl-2-fribonezyate, Triticum post-harvest decay, storage, Carica fruits 7719.
post-harvest decay, storage, Carica fruits 7719.
proteinase production 397.
Phoma exigue ver, foresta,
gangrene, epidemiology, Solanum tuberosum 6827.
Phome exigue ver, foreeta,
disease resistance, Solanum tuberosum 5810.
gangrene pathogenesis, Solanum tuberosum 9446.
infection, isoprenoridis solation, fubers, Solanum tuberosum 3974.
infection, lisoprenoridis of infection, solation, 5-methyl(2,4-dichlorophenoxy)-2-nitrobenzoate, rhizosphere, Triticum aestivum 4252 inoculation effects on yield, Vicia faba 5892. phosphate solubilization, organic acids, soil 3187, phosphate solubilization, soil 3214. phosphate solubilization, uptake, Oryza sativa 3188. rhizosphere, Gramineae, Leguminosae 2333 mizosphere, Gramineae, Leguminosae 2333.
Phosphates,
buffers, hydrogen peroxide formation, electric currents, cytotoxicity,
Escherichia coli 2451.
inorganic compounds, assays methodology, bacteria 4498.
nutrient deficiencies, batch culture, Streptomyces griseus streptomycin
production 4383. solubilization, microorganisms, relationship, soil phosphates content 4195. Phosphatidyl choline, degradation, mineralization, soil microorganisms, enzymatic activity, nutrient sources, plants 5915.

Phoaphatidylinositol, specificity, phospholipase C, purification, characterization, Staphylococcus aureus 8236. Phomopsis, antagonism association Cercospora kikuchi, in vitro 4939. antagonism association Cercospora kikuchi, in vitro 4939.
deback, Pinus eliotiti, Pinus teda 5076.
herbicides stimulation fruits, Glycine max 5821.
herbicides stimulation fruits, Glycine max 5821.
host plants, Amaranthus spinosus, Leonotis nepetaefolia, leonurus sibinicus, new records, Brazil 6826.
infection, Glycine max seeds, relationship, weather, USA, Kentucky 6734.
invasion, Trifolium repens 5692.
stem canker, Glycine max, virulence 3925.
Phomopale ainea,
stem canker, Alnus glutinosa 5868.
Phomopale acitri,
Mangifera indica, drug resistance, fungicides 1532.
pectinolytic enzymes 5528,
post-harvest decay, grapefruits, fungicides disease control, USA, Texas 4049.
Phomopale aleeegnii,
canker, Elaeagnus angustifolia, incidence, USA, Michigan 9522.
Phomopale leptostromiformis,
infection, Lupinus angustifoliaris, grazing animals lupinosis 5005.
phomopsin radioactive labeling 3869.

Phomopals mail, fruit rot, pathology, Malus pumila, Prinus persica 2145. Phomopals oblongs, Dutch elm disease, Ulmus glabra, Scolytus vectors 1453.

Phomopsis soles.

Diaporthe phaseolorum var.sojae infection, new records, Hungary 7657, disease control, benomyl foliar applications, metham furnigation, Glycine max

Phomopsis vaccinii.

blight, pathology, Vaccinium corymbosum 1271.

aureus 8236.

Phosphatidylaerine decarboxylase,
purification, characterization, Escherichia coli 8232.

Phosphatidylaerine synthase,
Clostridium perfringens, purification, characterization 5485.

Phosphatidyl 2- "Himositol,
Saccharomyces progresse production 270.

Saccharomyces cerevisiae, production 979. Phosphinic acid,

es, bialaphos biosynthesis, Streptomyces hygroscopicus mutants

Phospho-N-acetylmuramoyl-pentapeptide-transferase, role, peptidoglycans biosynthesis, amphomycin, inhibition, Bacillus megaterium 1561

1561
6-Phospho-2-keto-3-deoxy-galactonate aldolase, purification, Pseudomonas saccharophila 6434.
Phospho-2-keto-3-deoxy-gluconate aldolase, purification, Pseudomonas saccharophila 6434.
Phospho-2-keto-3-deoxy-gluconate aldolase, purification, Pseudomonas saccharophila 6454.
6-Phospho-3-ketchexulose isomerase, purification, characterization, Methylococcus capsulatus 4654.
Phospho-arrier protein, purification, characterization, phosphoenolpyruvate-glucose phosphotransferase, Salmonelia typhirunum 6416.
Salmonelia typhirunum 6416.
Salmonelia typhirunum 6416, such salmonelia typhirunum 6416

Phosphoenolpyruvate carboxylase, purification, Escherichia coli 955.
Phosphoenolpyruvate-fructose phosphotransferase, stereochemistry, mechanisms. Escherichia coli 92.
Phosphoenolpyruvate-glucose phosphotransferase, stereochemistry, mechanisms. Escherichia coli 92.
Phosphoenolpyruvate-glucose phosphotransferase, enzyme II. purification, characterization, Salmonella typhimurium 6415. enzyme III (Gilc.) purification, characterization, Salmonella typhimurium 6417. phosphocamier protein, purification, characterization, Salmonella typhimurium 6416.

role glucose transport, bacteria 6411.

Phosphoenolpyruvate-protein phosphotransferase,
enzyme I phosphorylation, protons transfer stereospecifity, Escherichia coli
7398.

subunits, amino acid analysis, peptide mapping, Saccharomyces cerevisiae 941.

6-Phosphofructokinase,
AMP affinity, fructose-2 6-diphosphate stimulation, yeasts 2782.

characterization, Clostridium pasteurianum 6442.

isoenzymes, purification, characterization, Escherichia coli 6433 purification, Bacillus subtilis 949.

soonzymes, purification, characterization, Escherichia coli 6433, purification, Bacillus subtilis 949. purification, characterization, Streptococcus lactis 6440, purification, characterization, yeasts 6432, purification, characterization, yeasts 6432, purification, Saccharomyees cerevisiae 1875. purification, Saccharomyees cerevisiae 1875. purification, Saccharomyees cerevisiae 1875. purification, Phycomyees blakesleeanus, fructose 2.6-bisphosphate role 9130. Phosphogluconate dehydrogenase (decarboxylating), purification, characterization, Bacillus stearothermophilus 4638, purification, characterization, Pseudomonas fluorescens 4592. Phosphoglycerate kinase, amino acid sequence, yeasts 6458, purification, characterization, Bacillus stearothermophilus 6418. Saccharomyees cerevisiae, amino acid sequence, cyrstal structure 2775, structure, ATP, 3-phosphoglyceric acid binding effects on, X-ray scattering, yeasts 7356, yeasts, purification, characterization 6446, yeasts, purification, characterization 6447. 3-Phosphoglyceric ecid, binding phosphoglyceric exid, binding phosphoglyceric exide, binding phosphoglyceric exide, binding phosphoglyceric exide, binding phosphoglyceric exide, binding to the properties of the propert

7356.

Phospholipase,
bacteria outer membranes, role, drugs antibacterial activity 8783.

Candida albicans, extracellular enzymes, assays, Petri dishes 7327.

Erysiphe pisi, purification, activity 6541.

Phospholipase A2,
Brassica juncea, effects on pathogenesis, Macrophomina phaseolina infection 4005.

Phospholipase C,
Bacillus cereus 8237.

phosphatidylinositol specificity, Bacillus cereus, Bacillus thuringiensis 8235.

phosphatidylinositol specificity, purification, characterization, Staphylococcus aureus 8236.

purification, characterization, Bacillus thuringiensis 8242

purification, characterization, Bacillus thuringlessis 8242. purification, characterization, Clostridium perfringens 8239.

Phospholipase D, Streptomyces cinnamomeus, chromatography 28.

Phospholipid composition,
Staphylococcus aureus, methicillin antibiotic resistance 9648.
Phospholipids,

nospholipids, endonuclease calcium deoxynucleotides inhibitors complex conformation, Staphylococcus aureus 7395.

activation glucose dehydrogenase, cytopiasmic membranes, Pseudomonas fluorescens Photoactivation, 955.

85says, high-performance liquid chromatography.

955.
assays, high-performance liquid chromatography, methanogenic bacteria, environments isolates 5382. biodegradation, microorganisms 2881. content, Starphylococcus aureus cell walls, antibiotics effects on 3380. fatty acid composition, Nicotlana tabacum, hypersensitive response, tobacco mosaic virus 7741. metabolism, Trichophyton rubrum, antifungal activity, undecanoic acid 7931. +proteins complex use, Zymomonas mobilis ethanol biosynthesis, fermentation 144. vesicles, glycerophosphate acyttransferase, reconstitution, kinetics, N.M.R. 3703.

Phosphonates, soil, New Zealand, relationship, bacteria 1469. Phosphonic acid antiblotics,

Phosphonic acid antibiotics, biosynthesis, antibacterial activity, Streptomyces 6188.

Phosphonoacetic acid, varicella-zoster virus, cross-resistant, 9-(2-hydroxyethoxymethyl)guanine, bromodeoxyuridine 7897.

Phosphonoformate, synergism, antiviral agents, antiviral activity, herpes simplex virus 2 1572.

Phosphonoformic acid, antiviral activity, herpes simplex virus 2 1572.

Phosphonoformic acid, antiviral activity, susceptibility, herpes simplex virus 6078.

antiviral activity, susceptibility, herpes simplex virus 6078. drug sensitivity testing assays, herpes simplex virus 1, herpes simplex virus 2 6075. esters, production, antiviral activity, herpes simplex virus 1 5209.

N-(Phosphonomethyl) glycine,
effects on, soil microorganisms, respiration, populations 620.

effects on nitrogen cycle, soil, Finland 5972.

N-(Phosphonomethyl)glycine,
3-enolpyruvoyishikimate-5-phosphate synthase inhibition, Neurospora crassa 4668.

Phosphorescence,
laccase, Polyporus versicolor 7366.

Phosphoribosyl-artitrarillate laomerase,
+indole-3-glycorol-phosphate synthase, X-ray crystallography, Escherichia coli

Phosphorites, uranium leaching, heterotrophic microorganisms 3255. Phosphorous tungstic acid, +ammonium molybdate, preservation viruses antigenic characteristics, storage 7226.

Phosphorus,

Allium cepa, uptake, Glomus etunicatus stimulation 4200. bioassays, Enterobacter xanthine oxidase 5413. +carbon bonds, Streptomyces hygroscopicus bialaphos biosynthesis 2824.

Phosphorus, (continued)

containing cations complex, antibacterial activity 7921.

effects on Oryza sativa, susceptibility, leaf blight, Xanthomonas campestris
_pv.oryzae 6750

effects on vesicular-arbuscular mycorrhizas spreading, roots, mathematical models 2329.

fertilizer applications, effects on, nitrogen fixation, Leguminosae 517, fertilizer applications, effects on nodulation, nitrogen fixation, Inga jinicuil

7943.
fertilizers content, effects on Phytophthora nicotlanae var.parastica buckeye rot. Lycopersicon esculentum 9445.
fertilizers effects on nutrient uptake, role, vesicular-arbuscular mycorrhizas, Medicago sativa+Rhizobium meliloti nodulation 6943.
levels, granules, mycorrhizas, Fagus 6973.
macromolecules, levels, Phalairs aquatea decomposition, soil microorganisms 573. mineralization, oil shales, Pseudomonas, Rhabditis 556.
mineralization, soil properties, forests, measuring techniques 521.
nutrient availability, effects on endomycorrhizas, colonization, phosphorus, Malus pumila, Allium porrum, Tagetes patilus 9543.
nutrient availability, roots uptake, nutrient availability, carbohdyrates levels, roots, Trifolium subterraneum 9576.
nutrient sources, mycorrhizas, seedlings, Thelephora terrestris, Ploea sitchensis 1441. 1441

1441.
nutrient sources, phosphatidyl choline, degradation, mineralization, soil microorganisms, enzymatic activity 5915.
nutrient sources, rhizosphere microorganisms, plant communities, nival zone 4213. nutrient status, mycormhizas, Glomus fasciculatus, Boutelous gracilis 1485. nutrient status, mycormhizas, seasonal variations, Gramineae 1490.
nutrient uptake, Allium cepa, role, endomycorrhizas, association, soil salinity

nutrient uptake, nutrient availability, endomycorrhizas, Malus pumila, Allium

7804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

17804.

3-999
3-Phosphoshikimate 1-carboxyvinyttransferase,
purification, characterization, Escherichia coli 7386
Photinus luciferin 4-monooxygenase (ATP-hydrolysing),
bioluminescence, use, measuring techniques, sewage studge ATP levels 7194.

inedia (culture), magnesium chloride+riboflavin+aromatic compounds, bactericidal activity. Salmonella typhimurium 8781.

Photoaffirity iabelling, adenosinetriphosphatase β-subunit phosphate binding sites, Escherichia coli

4687

9007.
P-D-galactosidase, Escherichia coli 7421.
glutathione reductase (NAD(P)H), yeasts 6500.
luciferin 2-monoxygenase subunits binding 1-diazo-2-oxoundecane, Vibrio harveyi 2800. nandrolone, Δ6-testosterone, Δ5-3-ketosteroid isomerase, Pseudomonas testosteroni 5489.

testoseriori 3-463.
use, toxolids preparation, Pseudomonas aeruginosa exotoxin A 8050.
Photobacterium lelognathi,
culture, luminescence use control 891.
Photochemistry,
atmosphere nitrogen, environmental impact 604.

Photography,

methodology, detection, Trichoderma harzianum, parasitism, Rhizoctonia solani 8159. Photoinactivation, catechol oxidase, Agaricus bisporus 9178.

Photometry, dental plaque formation, Streptococcus mutans, in vitro 9025.

Photooxidation,
histidine residues, endo-1,3(4)-β-D-glucanase, effects on activity,
Flavobacterium dormitator 6477.

Photoperiod,

citrus dimensis, effects on vesicular-arbuscular mycorrhizas 4209. effects on, pathogenesis, leaf rust, Melampsora medusae, populus 6930.

Photosynthesis, carbon sources, competition, Claviceps purpurea sclerotia, infection, Secale cereale seeds 374.

carbon sources effects on nitrogen fixation, Rhizobium mellioti, Medicago sativa

9578

Glycine max, energy budget, carbon sources, utilization, nitrogen fixation, Rhizobium 9603. inhibitors effects on Puccinia graminis f.sp.tritici, stem rust, Triticum aestivum 3948.

relationship nitrogen fixation, Glycine max 6984

relationship nitrogen fixation, Glycine max 6984.
Rhizobium apanicium symbiosis, Glycine max 8701.
starch biosynthesis, algae, symbiosis, bacteria 3708.
translocation, powdery mildew effects on, Hordeum vulgare 3931.
Vicia faba, carbon sources, utilization, mycormizas, Rhizobium, nodulation, nitrogen fixation 615.
Phototrophic bacteria,
cell size, cell volume, measuring techniques 5388.

Phytoalexins, (continued) Phototrophic bacteria, (continued) fermenters, culture 3555. Infestans 428.
maackiain, Sclerotinia trifoliorum biodegradation 2000.
madicago sativa, leaves, interaction, Verticillum albo-atrum 2999.
medicarpin, maackiain, Cicer anetinum, Fusanum solani metabolism 3779.
+ metalaxyl, Glycine max root rot treatment, Phytophthora megasperma f.sp.glycinea Protorophic bacteria, (continued) fermenters, culture 355: population dynamics, waste treatment, animal wastes, lagoons 4434 Hhodopseudomonas, hydrogen production 125 thiophene-2-carboxylate metabolism 152 Phragmidium mucronstum, Rosa laxa rust, fungicides disease control 4115. rust, Rosa laxa, pathology 4045. Phragmidium violaceum, rust, Rubus fruiticose, host-pathogen interactions analysis methodology 9440. Phycomyces blakesieeanus, ATP, ADP, AMP inhibition lactate dehydrogenase 1905. 6-phosphofructokinase stimulation, fructose 2,6-bisphosphate role 9130. Phyllanhis emblica, root rot, Rhizoctonia solani, growth conditions 6915. Phyllaphis fagil, outbreaks, association fungi infection, Fagus 3166. Phyllophis fagil, neurotoxins, Lolium perenne, response fungi infection 3955.
Oryza sativa, host-parasite interactions, Pyricularia oryzae, isolation, identification 6849.
Phaseolus vulgans, disease resistance, anthracnose, Colletotrichum indemuthanum 1360. Phaseolus vulgaris, induction, defense mechanisms, infection, Uromyces phaseoli production, Lathyrus sativus, association, Botrytis cinerea infection 6846, role, Glomerella cingulata, latent infection, Capsicum annuum 4070. Phytol, Phytol, biodegradation, aquatic bacteria 5595.

Phytolacca americana, glycoproteins, antiviral activity, tobacco mesaic virus 2491. glycoproteins, antiviral activity, tobacco mesaic virus 2491. groteins artiviral activity, relationship disease resistance, reviews 9478. proteins, chemical modification, effects on antiviral activity 1576. proteins, inhibition herpes simplex virus DNA biosynthesis 3368. proteins, inhibition herpes simplex virus DNA biosynthesis 3368. orgopreservation, viability, pathogenicity, methodology 4544, disease resistance, soil-borne diseases, genetic analysis, crop plants 6852. fungicides resistance, plant diseases 8725. infection, Avena, Gaeumannomyces graminis suppression, soil, effects on 3205. infection, Gramineae, Gaeumannomyces graminis suppression, soil, effects on 3207. infection, Oryza sativa, lignin formation, phenols levels 6763. verticillium, survival, soil 7807. Phytophora megasperma, morphology, pathogenicity, host range 3904. Phytophora, Outbreaks, associations of the Phyllody, Mycoplasma-like organisms, disease transmission, Deltocephalus flavicosta, Catharanthus roseus 7694. iodegradation, aquatic bacteria 5595. Catharantrus roseus 7694.

Phyllopiane,
plant diseases, biological control, reviews 3147.

Phyllopiane microorganisms,
tungal liora, needlecast, Pinus sylvestris 9521.
population dynamics, Rosa, Diplocarpon rosea infection effects on 2200.

Phyllosphere,
distribution, Actinomyces, yeasts, growth stage, Vicia faba, Glycine max, effects on 1946.
distribution, nitrogen-fixing bacteria, Glycine max, Vicia faba, factors affecting 5957, nitrogen-fixing bacteria, nitrogen fixation 9590.
Phyllosphere microorganiams, Vicia faba, gibberellic acid effects on 9601.
Vicia faba, gibberellic acid effects on 9601.
pathogenicity, fruit rot, post-harvest decay, Vaccinium macrocarpon 9418.
Phymatotrichum omnivorum, geographical distribution, limiting factors, soil characteristics, environmental requirements 9557.
mycelia, sclerotia, antifungal activity, ammonia 696.
root rot, Cichorium imbyus 5006.
wilt, effects on, gossypium hirsutum, roots, water flow 4039.
Physalle angulata, lessons, methodology, use, detecton, potato virus A mixed infection 2157. pepper vienal motife virus infection, symptoms, Ivory Coast 1235.
Physaria curassavica, plant diseases, viruses, susceptibility 3083.
Physarum flavicomum, lysosomes proteinase, purification, characterization 9144. distribution, nitrogen-fixing bacteria, Glycine max, Vicia faba, factors Phytophthora, antifungal activity, metalaxyl 481 antfungal activity, metalaxyl 481.
antfungal activity, propamocarb, disease control, Lycopersicon esculentum 502.
black pod, Theobroma cacao, etiology 396.
dieback, disease control, Rhododendron, greenhouses 9419.
forests soil effects on, survivability, germination, infectivity, mycelia,
chiamydospores 1483.
infection, Rhododendron, Azalea, llex crenata, incidence, greenhouses 1282.
pathogenicity, Coniferales 5073.
pathogenicity, Theobroma cacao seedlings 3966.
population structure, infection, Theobroma cacao, Hevea brasiliensis, Mangifera
indica 4977. opoulation structure, infection, I heobroma cacao, Hevea brasiliensis, Man indica 4977 root rot, Abies alba, pathology, incidence 4150. root rot, disease control, trees, silviculture 2317. root rot, disease tolerance, Glycine max, plant breeding, USA, Ohio 7656. root rot, Vaccolium corymbosum, new records, USA, Arkansas 1263. rot, Asparagus officinalis 9383. Physarum flavicomum, lysosomes proteinase, purification, characterization 9144. Physarum polycephalum, 5-N-acetyl-Dejucosaminidase, isolation, characterization 3673. chemotaxis, antimicrobial agents effects on 4306. lysates, mRNA isolation methodology 7268. omithine decarboxylase inhibitor, purification, activity, polyamines stimulation rot, Asparagus officinalis 9383.

Phytophthora cactorum,
antifungal activity, antibiotics, bacteria 8633,
canker, disease resistance, Malus pumila 1357,
collar rot, fumigants disease control, Malus pumila 492,
collar rot, Malus pumila, metalaxyl effects on pathology 505,
fruit rot, Fragana 3092,
incidence, orchards, Malus pumila, Prunus 386,
rot, effects on, Fragana, yield 5755,
ultrastructure, quintozene effects on 4124,
Phytophthora cambitors,
incidence, orchards, Malus pumila, Prunus 366,
Phytophthora cambitors, ornithine decarboxylase inhibitor, purification, activity, polyamines stimulation 81.
protamine kinase, purification, characterization 1903.
protein kinase, physicochemical properties, kinetics 6460.
Physica magnussonil,
variolaria caid biosynthesis 3649.
Physicochemical properties,
aliomalformin, Aspergillus niger 766.
amine dehydrogenase, Thiobacillus, Methylophilus methylotrophus 64.
amphotericn B, antibacerial activity 1634.
carbapenem, derivatives, isolation, Streptomyces, production 1649.
cardavirus, infection, Solanium meiongena 408.
DNA, Escherichia coli, association, diacrin B1 bactericidal activity 775.
levorin, inactivation mechanisms 770.
olivanic acid, derivatives, isolation, Streptomyces olivaceus 1663.
potato aucuba mosaic virus, isolation, Cyrphomandra betacea infection 393.
Pseudomonas fluorescene setracellular proteinase 95.
pyrrolittim, production, Myxococcus futivus 1653.
saphenamycin, biosynthesis, Streptomyces canarius 1658.
teichoicase, Bacillus sublitis 957.
viruses, isolation, reservoirs, biochemical analysis 795.
Physiological disorders,
tissues, Trifolium Vesiculosum, association, fungi 8544.
Physiology, set. Phytophthora capaici, infection, Capsicum annuum, epidemiology 5792, seeds, fungicides effects on, Capsicum annuum 5832. Phytophthora cinnamomi, hytophthore clinamomi, chlamydospores formation, soil survival, infection, Lupinus angustifolius 5693. dieback, disease control, plants soil mixtures 4925. dieback, Eucalyptus marginata, disease transmission, pathogenesis 9523. experimental infection, Chamaecyparis lawsoniana, disease resistance 472. infection, Eucalyptus regnans, disease resistance, intraspecific relationships age; 2 necion, host range, callose, formation, plants 3901.
infection, losopogon ceratophyllus. Eucalyptus macrorhyncha, Eucalyptus goniocalyx, water relations 3982.
infection, response, Zea mays, Callose formation 3020.
infection, notos respiration, seedlings, plants 5668.
infection, susceptibility, Banksia 8592.
infection, soil pH effects on 3994.
Leptomyxida lysis, phagocytosis, soil 563.
pathogenicity, Coniferales 5073.
root rot, calcium nitrate, ammonium sulfate, effects on, Persea indica 2147.
root rot, tociadopitys verticillata 5749.
root rot, Sciadopitys verticillata 5749.
root rot, Sciadopitys verticillata 5749. tissues, Trifolium vesiculosum, association, fungi 8544.

Physlology,
brewing yeasts, characterization methodology, ethanol fermentation 1049.

Physoderma maydis,
brown spot, disease control, tiliage, Zea mays 7736.

Physopelia zeae,
infection, Zea mays, pathogenesis, morphology 2130.
pathogenesis, morphogenesis, association, Zea mays 383. pathogenesis, morphogenesis, association, zea mays 303.
3-Phytase,
Bacillus subtilis, purification, characterization 30.
Phytoselexins,
L-2-aminoxy-3-phenylpropionic acid, inhibition, Glycine max, effects on, disease resistance, Phytophthora megasperma 1.sp, glycinea 3907.
antibacterial activity, Xanthomenas campestris pv.phaseoli, defense mechanisms, Phaseolius vulgaris 1383.
antifungal activity, Botrytis cinerea, Cladosporium herbarum 2283.
Avens astivu, disease resistance, crown rust, Puccinia coronata 1.sp, avenae 1353. biosynthesis, energetics, bacteria, fungi, disease resistance, plant breeding 4059.
biosynthesis enzymatic activity, Petroselium hortense cell culture, fungi root rot, seelabings, trees 1463.
root rot, seelings, trees 1463.
root rot, soil temperature, inoculum, effects on, Abies fraseri 5872.
soil distribution, bioassays, association plant diseases 539.
soil, media (selective), bioassays, Abies fraseri seedlings, Rhododendron obtusum leaves 324 soils (podzolic), effects on, zoospores, pathogenesis, dieback, Banksla grandis 5850. sporulation, Eucalyptus forests soil extracts effects on 525.

Phytophthora citrophthora,
brown rot, disease control, citrus, fungicides, applications, methodology,
comparison 6638. biosynthesis enzymatic activity, Petroselium hortense cell culture, fungi infection 5767. biosynthesis enzymatic activity, Perusanum north production for the production of th

hytophthora drechaleri f.sp.csiani, disease resistance, plant breeding, Cajanus cajan 5038. hytophthora erythroseptica, root rot, susceptibility, mixed infection, bean yellow mosaic virus, Trifolium Phytophthora palmivora, (continued) root rot, Carica papaya, disease control 1213. Washingtonia buds rot 1256. Phytophthora parasitica, 1000 rtd., susceptibility, mixed infection, bean yellow mosaic virus, Trifolium 335.

19toprithora fragariae, hytoprithora fragariae, policimination of the program of the fragariae vesca, epidemiology 3984.

18oiating, methodology 4533.

19toprithora fraganiae vesca, epidemiology 3984.

18oiating, methodology 4533.

19toprithora fragariae, New Zealand 7880.

19toprithora fragariae, New Zealand 7880.

19toprithora fragariae, 19topritho nyroprintora parasitica, aggiulination, glycoproteins, Nicotiana tabacum, callus culture 1351. black shank, disease resistance, Nicotiana, genetic analysis 1340, dieback, overwintering, temperature, effects on, Rhododendron 9389, dieback, sporangia, survival, pathology, Rhododendron 9388. root not, disease control, metalazyl, aluminut tris (-0-ethyl phosphonate, Citrus paradisa 5065. per autis 2003. sex hormones, production, isolation, characterization 6566. var.nicotianae, infection, Nicotiana tabacum, soil, water potential, effects on 3383. black shank, Nicotiana tabacum, disease control, fungicides+nematicides 4125. Phytophthora parasitica var.nicotianes, black shank, temperature, rainfall, effects on, pathogenesis, Nicotiana tabacum Phytoplanton, water pollution, aquaculture, association, Crassostrea gigas, food contamination 2924. 2924.
Phytotoxicity,
Alternaria solani phytotoxins, celi culture, plant celis 3902.
Alternaria tagetica zinniol, Tagetes erecta 3392.
Exserohilum furcicum monocerin, Sorghum halpense 3959.
microorganisms metabolites, soil pollutants, Cucumis sativa 4193.
polysacchandes, in vitro biosynthesis, Colletorichum trifolii 353.
strave biodegradation, soil bacteria 8419.
Streptomycos 9554.
Phytotoxins,
allelooathy, Polygonum aviculare 6683. hyphae, cell walls, components, response, Solanum tuberosum, protoplasts 3098, infection, arachidonic acid induction phytoalexins, tubers, Solanum tuberosum Infection, arachidonic acid induction phytoalexins, tubers, Solanum tuberosum 428.

Infection, Lycopersicon esculentum, proteinase inhibitors purification 5772.

Infection, Lycopersicon esculentum, stepri esters, steryl glycosides content, relationship, susceptibility 3983.

Infection, Solanum tuberosum, leaves susceptibility 1228.

Infection, Solanum tuberosum, metalaxyl sensitivity 504.

Iate blight, disease spread, Solanum tuberosum tuberosum 8621.

Iate blight, fungicides, applications, Solanum tuberosum 4106.

Iate blight, fungicides resistance, measuring techniques, in vitro, Solanum tuberosum 7891.

Iate blight, fungicides polications, Solanum tuberosum 4106.

Iate blight, phogenesis, Lycopersicon esculentum, role, sterol composition, light intensity effects on 5785.

Iate blight, prediction, use, disease resistance, weather, effects on, fungicides, Solanum tuberosum 8622.

Iate blight, Solanum tuberosum, epidemics, USA, Washington 1267.

Iate blight, Solanum tuberosum undersoum infection, Netherlands 6795.

Intelaxyl resistance, incidence, infectivity, Solanum tuberosum tuber ultrastructure 2257.

Intelaxyl resistance, ascociation Solanum tuberosum tuberosum tuber ultrastructure 2257.

Intelaxyl resistance, ascociation Solanum tuberosum tuberosum, e801.

Intelaxyl resistance, incidence, infectioty, postonum tuberosum tuberosum, e801.

Intelaxyl resistance, incidence, infectioty, postonum tuberosum tuberosum, e801.

Intelaxyl resistance, ascociation Solanum tuberosum tuberosum, e801.

Intelaxyl resistance, incidence, infection, postonum tuberosum tuberosum, e801.

Intelaxyl resistance, incidence, infection, postonum tuberosum, e801.

Intelaxyl resistance, incidence, infection, pos Streptomyces 9554.

hytotoxins,
allelopathy, Potygonum aviculare 8683.
Alternaria solani, phytotoxicity, cell culture, plant cells 3902.
Alternaria solani, phytotoxicity, cell culture, plant cells 3902.
Association, Guignardia taricina, shoot blight, Larix leptolepis 4161.
Cachiobolus heterostrophus, biosynthesis, tox1 locus, gene regulation 2953.
Corynebacterium insidiosum, bioassays, Medicago sativa 1114.
deoxyradicinin, structure, Alternaria helianthi 2967.
disease resistance, plants, India, reviews 1369.
fomannoxin production, Formes annosus, toxicity, seedlings, Picea sitchensis 6914.
futil rot, Macrophoma, isolation 8522.
fungi, inhibition seeds germination, Guizotia abyssinica 2082.
Gliocaldium zaleskii, purification, characterization 2083.
Guignardia laricina, structure, characterization 26821.
Heliminthosporuum maydis, bioassays, use, Zea mays, nots, cells 8552.
Macrophoma, macrophorins, isolation, structure 6718.
Periconia circinata, effects on cytology, mitosis, nots, seedlings, Sorghum vulgare 3944.
Periconia circinata, effects on ultrastructure, plasma membranes, roots, Sorghum vulgare 3845. vulgare 9345 vulgare 9345.
Pseudomonas phaseolicola, induction, chlorosis, Phaseolus vulgaris 2989.
Pythum aphanidermatum, isolation, biochemical analysis, characterization 1098.
receptors, pilasma membranes, pathogens, plant diseases, reviews 2096.
+ rhizosphere microorganisms+pesticides, etiology, decline, Zea mays 367.
rhizosphere microorganisms+pesticides, etiology, decline, Zea mays 367.
Rhynchosponum oryzae, phytotoxicity, pathogenicity, scald, Oryza sativa 9348.
Rhynchosponum secalis, binding membrane proteins, receptors, scald, Hordeum root rot, susceptibility, mixed infection, bean yellow mosaic virus, Trifolium 335.

***sytophthora megasperme (.sp.ghyclnea, L2-aminooxy-3-phenylpropionic acid, inhibition, phytoalexins, Glycine max, effects on, disease resistance 3907.

disease control, seed treatments, metalaxyl, Dowco 444, Glycine max, 8644.

infection, Glycine max, disease resistance, glyphosate effects on glyceollin biosynthesis 501.

infection, Glycine max, disease resistance, phenotype mixing 1373.

infection, Glycine max, phycoptyls, laccase 3916.

infection, Glycine max, Ppsc gene, role, disease resistance 2552.

infection, Glycine max, Rpsc gene, role, disease resistance 2252.

infection, Glycine max, Rpsc gene, role, disease resistance 2252.

infection susceptibility, Glycine max cultivars 6733.

isolation methodology, association, Pythium contamination 589.

taces, root rol, Glycine max 1135.

races, virulence, USA, Wisconsin 1130.

root rot, Glycine max, tiesase control, fungicides seed treatments, USA, Ohio 7772.

Ord rol, Clycine max, treatment, metalaxyl + phytoalexins 503. Hhynchosponum secalis, binding membrane proteins, receptors, scald, F-vulgare 33-45.
soil microorganisms, production 2346.
structure, Alternaria kikuchiana 301.
tagettoxin, Pseudomonas syringae, structure 6726.
Valsa ceratosperma, isolation, identification 4904.
Xanthomonas oryzae, purification, effects on, Oryza sativa, leaves 7640. Phytuberin, production, Nicotiana callus, association, Pseudomonas solanacearum infection 6845. Phytuberol 6845 forests, leaf litter decomposition, nutrient dynamics 2294 forests soil, soil microorganisms, sulfite conversion 6903.

production, Nicotiana callus, association, Pseudomonas solanacearum infection

forests soil, soil microorganisms, sulfite conversion 6903.

Plices ables.
Chrysomyxa abietis infection, Darfuca filum hyperparasitism 7781, disease resistance, root ort, Heterobasdion annosum, surveys, Norway 6918, forests, soils (organic), nutrient balance, soil microorganisms 9514. fungi wound infection, disease resistance 4176.
Piloderma croceum, Pisolithus tinctorius, penetration, cell walls, ectomycomizas 3165. replacement, Fagus sylvatica forests clear cutting, bacteria soil microorganisms population changes 7779.

Pices engelmannil, growth, land reclamation, mines, mycorrhizas innoculation 519. wood decay, brown rot 6936.

Picea glaucy, association, ectomycorrhizas, strip mines, soil amendment, effects on, spores 1480.

mycorrhizas, effects on, growth 530.

mycorrhizas, effects on, growth 530.

Picee pungene,
Cytospora kunzei canker, drought effects on 5079.
rust, Chrysomyxa weirli, pathology 8659.

Picea atichensis,
forests, wood decay, C/N ratios 527.
Laccaria laccata, effects on, growth 532.
mycorhizas, effects on, growth 532.
mycorhizas, effects on, growth 532.
mycorhizas, effects on, growth 532.
seedlings, mycormizas incode processings, seedlings 1441.
seedlings, loxicity fumanow, process amosus 6914.
seedls, Caloscypta fulgens penetration, pathogenesis 3174.

seeds, Caloscypna ruigens penetration, participer Pichia, ethanol production 7527. food contamination, fruit juices, Venezuela 7574. Pichia burtonii,

α-amylase, exo-1,4-α-D-glucosidase, production 3691.

Pichla cactophila,
seasonal variation, rot, Opuntia stricta, food sources, Drosophila 3048.

temperature effects on pathogenicity, Glycine max, Medicago sativa, Cicer arietinum 336.

zoospores pathogenesis, rods, Glycine max 4935.
ytopothrora megasperma f.ap.medicaglinis, rhuzopheres dimensions, measurements methodology 9571.
root rot, eoological distribution, disease resistance, Medicago sativa 3913.
root rot, Medicago sativa, USA, Wyoming 3921.
ytopothrora megasperma var.solee, disease resistance, Glycine max, ydroponicos, factors affecting, 349.
rot, Glycine max, 1970.
soil isolates, association Psophocarpus tetragonolobus 432.
nytophthora megaspora, incidence, orchards, Malus pumila, Prunus 386.
ytophthora nicottanee, intection, depetables, plants, disease control 2267.
ytophthora nicottanee, var.parastitica, buckeys rot, Lycopersicon esculentum, fertilizers content, nitrogen, phosphorus, potassium, effects on 9445.
root rot, fungicides disease control, seedlings, citrus lemon 484.
ytophthora palmivora, canker, maneb, chlorothalonil disease control, Carica papaya 5058.
canker, Theobroma cocoa, metalavyl treatment, disease control 1417.
centrifugation, preservation, methodology 6347.
fungicides, arrifungal activity, in vitro 5824.
infection, orchards, prophylaxis, treatment, fungicides 5828.

root rot, Glycine max, treatment, metalaxyl+phytoalexins 503. root rot, Rhizobium japonicum nodulation effects on pathogenicity, Glycine max 5669. root rot, stalk rot, metaiaxyl, Glycine max 1420.
temperature effects on pathogenicity, Glycine max, Medicago sativa, Cicer arietinum 336.

Subject Index Dinus,
bister rust, Cronartium, Rodentia, feeding damage 2318.
biue stain, Ceratocystis minor, vectors, Dendroctonus frontalis, Tarsonemus 3168.
Cercospora needie bight, India, eradication 5878.
Cercospora needie bight, India, eradication 5878.
Cronartium quercuum 1.sp. Liusformer, Liusformer ust, virulence, population genetics, disease resistance 6913.
dieback, Fusanium, role mycotoxins 2315.
dieback induction, Fusanium extracts 2313.
dieback induction, Fusanium extracts 2313.
fungi, biomass, spatial distribution, seasonal variations 515.
Fusanium monitiforme var.subglutinans pitch canker pathogenesis 6909.
fusiform rust, diesase resistance 4148.
Grammeniella abietina infection, disease resistance 3175.
leal titter, soil microorganisms, methyl bromide, dazomet, effects on 3250.
ligniin biodegradation, fungi 171, needle bilght, Cylindrocladdium macrosporum, pathogenesis, disease control 7782.
nutrient deficiency, fertilizer applications effects on mycorrhizas, saprophyfes, soil 7775. Pichia guillermondil, GTP cyclohydrolase, purification, kinetics 7351, serotonin effects on radioresistance 7025. Serioum etics of radional states of the Pichia pastoria, Candida utilis, amine oxidase (flavin-containing), physicochemical properties company 8240. isolation, characterization, methanol utilization, single-cell protein biosynthesis 5466. methanol, formic acid, metabolism, energetics 7546. Pichia polymorpha, 2.1-9-D-fructan fructano-hydrolase, immobilized cells, hydrolysis, inulin 6495. antiviral activity, food wastes fermentation, Lactobacillus acidophilus. Saccharomyces cerevisiae 7595. Saccharomyces cerevisiae 7595.

Plerce's disease,
bacteria inodence, plants, vectors, USA, California 8531.
bacteria, Oncometopia nigricans, disease transmission, Citrus 1204.
bacteria, Vitis vinifera, pathogenesis 5027.
bacteria, witi, seedlings, Citrus jambhiri 392.
gram-negative bacteria, pathology, Vitis vinifera 3058. nutrient deficiency, fertilizer applications effects on mycormizas, saprophytes soil 7775. root rot, mortality, forests 5075. roots, ozone effects on Fornes annosus pathogenicity 541, wilt, Bursaphelenchus xylophilus, disease control, pesticides uptake 5877. wood, extracts, inhibition, hyphomycetes, growth, spore germination 4180. wood, fungicides disease control, stain 5882. wood storage, disease control, sap stain, 3-iodo-2-propynyl butyl carbamate, sodium pentachiorophenate, copper-6-quinolinolate 9529. Plnus bankslans, pathology, rust, Cronartium comptoniae 4155. Pleridae biological control, persistence, baculovirus 1005. biological control, persistence, baculovirus 1005.

Plenta, biological control, persistence, baculovirus 1005.

Plenta rapae,
granulosis virus, nuclear polyhedrosis virus, Brassica oleracea, crop fields 6596. inus Danksiana, pathology, rust, Cronartium comptoniae 4155. pathology, rust, Cronartium comptoniae, association, Pheilinus pini 548. vesicular-arbuscular mycorrhizas, petroleum sand 5916. vesicular-arouscular mycormizas, petroleum sairu 3916.

Pinus caribasea,
Cercospora needle blight, India, eradication 5878.
Cercospora needle blight, India, eradication 5878.
Cylindrocladium scoparium diseases, Malaysia 2318.
needle blight, Oylindrocladium macrosporum, pathogenesis, disease control 7782.
Pinus cortico-fronarium coleosporoides, relationship habitat, USA, Idaho 5862.
growth, land reclamation, mines, mycormizas innoculation 519.
irfection susceptibility, pest attack, Europhium clavigerum, Dendroctonus
ponderosae 8651.
pathogenerity, Verticciadiella, black stain 9519.
rust, Peridermium bethelii, association, Arceuthobium americanum 6932.
seedlings, mycormizas inoculation 5857.

Pinus contorta subsp.lattfolla,
bilster rust, effects on production, cones, seeds 4169.
nutrient dynamics, detritus, leaf litter, forest floor, USA, Wyoming 4139.
Pinus contorta var-lattfolla,
fungi pathogenesis, association, Dendroctonus ponderosae transmission 3167.
Pinus editottil, Pleama quadratum, vectors, plant diseases, Rickettsia-like organisms, Beta vulgaris 6810. Plgmentation, plants penetration, tricyclazole effects on Colletotrichum lagenarium hyphal tips inus caribasa, scierona, Scierotinia scierotiorum, pathogenicity, Lactuca sativa 6830.
lgments,
Aeromonas salmonicida, analysis, aerobic conditions 8392.
Amanita muscaria, column chromatography 2849.
biosynthesis, Nocardia fructiferi, nitrogen sources, carbon sources, effects on 2590. 2090.

cycloprodigiosin, Beneckea gazogenes, structure 8377.

Mysococcus coralloides, purification, antimicrobial activity 9667.

Pseudomonas cepacia, antibacterial activity, antifungal activity 1645.

removal, Conolus versucolor, immobilized cells, pulp mills, industrial effluents Page.

3893.

Pige.

affatoxicosis, affatoxin B1, feeds contamination 3866.
animal wastes, digestion (anaerobic). Clostridium, Bacillus 5301.
animal wastes, digestion (anaerobic), substrates retention, relationship,
bacteria levels 9808.
animal wastes, Pige.

Bereit Service 19808.
animal wastes, pige.

Bereit Service 19808.
animal wastes, pige.

Bereit Service 19808.
Candida utilitis single-cell protein, feeding trials, immune response,
gastrointestinal tract 2929.

Carcasses, abscesses, bacteria isolation, characterization 5619.
Carcasses, bacteria food contamination, Norway 5618.
edema diagnosis, servological tests, Escherichia coli neurotoxins 3885.
feeding, Hordeum vulgare, contamination, ochratoxin A, Aspergillus ochraceus,
detoxification 7623.
feeds, nutritive value, breweries activated sludge 5631.
feeds, Streptococcus faecium effects on intestinal microflora 4859.
Haemophilus pleuropneumoniae isolation, methodology 9958.
housing, dust, endotoxins, fungi, bacteria 7638.
immune response, foot-and-mouth disease virus vaccines, DEAE adjuvants 2600.
intestinal microflora, anaerobic bacteria, salinomycin administration effects on
5624. 5076 Plnus elliottii, Pinus flexills. Pinus greggii, Cercospora needle blight, India, eradication 5878. Cercospora needie blight, India, eradication 307.0.

Pinus halepoensis,
susceptibility, fusiform rust, Cronartium quercuum 6924.

Pinus lambertiana,
hypocotyls, Cronartium ribicola inoculation hyphae, pure culture 542.
hypocotyls, rot, Fusarium oxysporum, etiology 4180.
Lophodermelia arcusta infection, disease spread, effects on growth 1461.

Pinus leucodermile,
wood, soil, forests, Basidiomycetes, new records, Yugoslavia 7778.

Pinus markusil.
needie blight, Cylindrocladium macrosporum, pathogenesis, disease contr 5024. isolates, Escherichia coli, R factors, drug resistance 7039. isolates, gram-positive bacteria, tylosin effects on macrolide antibiotics resistance 5156.

Pinus elliottii, plantations, Myrica cerifera understory, nitrogen fixation 5853.

Pinus elliottil var.elilottil, mortality, association, Botryosphaeria dothidea 5870.
rust, Cronarium quercuum f.sp.fusiforme, triadimefon, disease control 9516. growth, land reclamation, mines, mycorrhizas innoculation 519

kidney, lesions, ochratoxin A, Aspergillus ochraceus, contamination, Hordeum vulgare 7622.

vuigare /622.
manure, degradation, coryneforms, odor compounds 8060.
manure, mesophilic bacteria, methanogenesis 4262.
mycotoxicosis 4895.
nutritive value, single-cell protein, Manihot esculenta, Aspergillus fumigatus

2932

2932.
serum, pseudorabies virus antibodies, detection, immunodiffusion 5374.
urinary tract, animal isolates, bacteria, chemotherapeutics, drug sensitivity
testing 2464.
wastes biodegradation, aerobic bacteria, heat output 2888.
wastes, Sponotrichum pulverulentum biomass production 9102.
Pliea caderei.

leafspot, Myrothecium rorldum 5747

nti, Enferobacter, hemagglutinins biosynthesis 8364. Escherichia coli, artigens, agglutination assays 5383. +Escherichia coli, identification, use, receptors specificity agglutination 880. Escherichia coli, purification methodology 7248. Escherichia coli, receptors, hemagglutination, identification, blood group P1

Escriencia don, recognica, recognica, formation of 402.
Escherichia coli, separation methodology 9062.
Klebsella, purification, characterization, adhesion, Poa pratensis roots 8660.
Neisseria gonorrhoeae, purification, affinity chromatography 835.

amino acid sequence, secondary structure predictions, Pseudomonas aeruginosa 4575 Piloderma croceum.

penetration, cell walls, Pinus sylvestris, Picea abies, ectomycorrhizas 3165. Pimaricin,

antibiotic sensitivity testing, yeasts 2502.

host specificity, fungi mycorrhizas 5901. α-Pinene, biodegradation, Pseudomonas maltophilia 5582

Allium cepa, new records, Sudan 1277.

Pinus eliotti, dieback, Phomopsis, Diplodia gossypina, Fusarium moniliforme f.sp.subglutinans

2070.

Pinus elliotii,
Cercospora needle blight, India, eradication 5878.

Fusarium moniiforme var.subglutinans pitch canker pathogenesis 6909.

needle blight, Cylindrocladium macrosporum, pathogenesis, disease control 7782. Plnus monticola,

inus monicota, blister rust, Cronartium ribicola, pathogenicity, genetic variance 1452. blister rust, disease resistance, USA 8618. canker, Cronartium ribicola, spatial distribution, environmental factors 4146. pruning, disease control, blister rust, Cronartium ribicola 1457.

Pinus mugo, susceptibility, fusiform rust, Cronartium quercuum 6924. Pinus nigra,

inus nigra, decline, Verhicicadiella procera, USA, Minnesota 5077. leaves, Cronarium flaccidum association, basidiospores spore germination 4154. susceptibility, fusiform rust, Cronarium quercuum 6924. Verticicadiella procera pathogenicity, plantations 5083.

Plnus occarpa, needle blight, Cylindrocladium macrosporum, pathogenesis, disease control 7782.

neecie bilgnt, Cyilindrocladium macrosporum, pathogenesis, dise Plnus palustris, decay, brown rot fungi detection, fluorescence microscopy 4047. Scirriha actoola brown spot, pathology 6910. Plnus patula, Cercospora needle bilght, india, eradication 5878. mycorrhizas, Thelephora terrestris, india 2303.

Plrus pinaster,
Cronarium flaccidum infection, host-pathogen interactions ultrastructure 5088.
roots, ectomycorrhizas, Pisolithus tinctorius, chitin, biomass assays 9506.
susceptibility, fusiform rust, Cronarium quercuum 6924. susceptibility, fusiform rust, Cronartium quercuum 052-4.

Pinue pinea,
Cronartium flaccidum infection, host-pathogen interactions ultrastructure 5088.
susceptibility, fusiform rust, Cronartium quercuum 6924.

Pinue ponderosa,
black stain, pathogenicity, Verticiciadiella, Leptographium 5082.
Ceratocystis wageneri infection, disease spread 1451.
Ceratocystis wageneri infection, relationship, soil, redox potential 9518.
ectomycorhizas, effects on, growth 6896.
host range, Heterobasidion annosum 4168.
Laccaria laccata, effects on, growth 532.
pest attack, Scolytidae, susceptibility, Heterobasidion annosum,
Verticicladiella, root rot 5865.

sus ponderosa, (continued)
seedlings, fertilizer applications, Laccaria laccata inoculation 5852.
sus radiata,

seedlings, fertilizer applications, Laccaria laccata Inoculation 5852.

Just radiata,

Jiploida pinea infection, disease resistance, genetic analysis 3169.

Jorests, soil nitrogen mineralization 523.

Joest specificity, fungi mycorrhizas 5901.

Joest specificity, fungi mycorrhizas 5901.

Jydrolysates, use, Clostridium acetoburylicum, 1-butanol production 8490.

Jydrolysates, use, Pachysolen tannophilus, ethanol production 8411.

John monoterpenes, effects on, Dothistrona pini, spore germination, needle blight
4143.

Pratylenchus penetrans infection, pathogenesis, Australia 8654.

Jordection, fungicides screening 7761.

Joots, mantles, calcium oxalate crystals detection, association ectomycorrhizas symbiosis 4211.

Joest Specifica, Polipodia pinea infection, relationship, temperature, condensation

Joest Specifica, Polipodia pinea infection 7787.

Joest Specifica, Verticicadeilella procera, USA, Minnesota 5077.

Jorests, organic matter decomposition, nitrogen cycle, ecosystem dynamics 526.

Joest Specifica, Verticicadeilella procera, USA, Minnesota 5077.

Jorests, organic matter decomposition, nitrogen cycle, ecosystem dynamics 526.

Joest Specifica, Verticicale blight, India, eradication 5878.

Joest Specificale Polipodia pinea infection pitch canker pathogenesis 6909.

Derospora needle blight, India, eradication 5878.

was serotins,

"usarium moniliforme var.subglutinans pitch canker pathogenesis 6909.

use silvestris,

orests, leaf litter decomposition, nutrient dynamics, Sweden 2300.

sel litter, decomposition, organic matter 2299.

use strobus,

if pollution sensitivity, relationship Pissodes approximatus Hylobius,

infestation, Verticcladiella procera infection 5866.

lister rust, Cronarium histoloa, disease control, pruning 1466.

lectine, Verticcladiella procera, USA, Minnesotte 5077.

oots, Pisolithus inctorius, Hardig net, cytology 9510.

oots, Pisolithus inctorius, Hardig net, cytology 9510.

oots, Pisolithus procera pathogenicity, plantations 5083.

Juse sylvestria,

sus sylvestria, Suillus luteus, infection monitoring, chitin, mannans, levels 3170.

stotomycorrhizas, effects on, growth 6896.

sal litter decomposition, nitrogen balance, nutrient dynamics 3161.

saves, Cronarium flaccidum association, basidiospores spore germination 4154.

saves, fungi infection, relationship, age 4177.

laves Cronarium flaccidum decomposition, memorania, needlecast 9521.

hyloplane microorganisms, fungal flora, needlecast 9521.

hyloplane microorganism, fungal flora, needlecast 9521.

hyloplane maken, fungil flora, needlecast 9521.

us tasda, Jacillus thringiensis persistence, biological control, Dioryctria amatella 7484, Zonarflum querculm f.sp.fusiforme, infection, colonization, ultrastructure 4166. Ilieback, Phomopsis, Diplodia gossypina, Fusarium moniliforme f.sp.subglutinans sacilius flunngiensis persistence, pological control, biorychra amateila 7484.
Tronartium quercuum f.sp. Lusiforme, infection, colonization, ultrastructure 4164.
Store.
Store.
Store.
Store.
Siesase resistance, fusiform rust, Cronartium quercuum f.sp. fusiforme, genotype-environment interactions 6908.
Isease resistance, rust, Cronartium quercuum f.sp. fusiforme, genotype-environment interactions 6908.
Isease resistance, rust, Cronartium quercuum f.sp. fusiforme 5805.
Isease resistance, rust, Cronartium quercuum f.sp. fusiforme 5809.
Isease resistance, rust, Cronartium quercuum f.sp. fusiforme 5809.
Isease resistance, rust, Cronartium quercuum f.sp. fusiforme 5809.
Inioratility, association, Bottypsphaeina othiclae 5870.
Iseasion function for security for security

Piperazinomycin,

characterization, antifungal activity 1644, structure 1661.

Pirilmycin, bactericidal activity, Bacteroides fragilis 757.

Plastin, physical activity, Staphylococcus aureus, Enterobacteriaceae 1556. Plastin, physicalexins, production, Lathyrus sativus, association, Botrytis cinerea infection 6846.

Places, animal isolates, Aeromonas, Flavobacterium, Pseudomonas, R factors 3275. incidence, Vibrio haemolyticus, Kenya 1089. intestinal microflora, bacteria, pollution indicators, water pollution, Iran

methodology, isolation, Aspergillus pathogens 9078. pathogens, Vibrio, Pasteurella, biological properties, identification methodology 1785.

Plsolithus tinctorlus, actomycorrhizas, chitin, biomass assays, roots, Pinus pinaster 9506, actomycorrhizas, effects on Pinus taeda, land reclamation, mines 2305, actomycorrhizas, water potential, water relations, seedings, Quercus velutina 9508.

9508.

effects on Malus domestica roots growth, association, indole-3-acetic acid 591.
growth, cadmium, lead, nickel, effects on 3189.
growth rate, mycormizas, Eucalptus st-johnii 6950.
Hartig net, cytology, roots, Pinus strobus 9510.
indole-3-acetic acid, gas chromatography, mass spectroscopy 8171.
penetration, cell walls, Picea abies, ectomycormizas 3165.
Pisaodes approximatus, infestation, relationship air pollution sensitivity, Verticicladiella procera infection, Pinus strobus 5866.
Pistachios,

contamination, microorganisms, ice cream production, association, radiation treatment 4838.

wilt, Fusarium solani 329.

witt, Fusarium solani 329.

Plsum aethyum,
Acyrthosiphon pisum pea streak virus transmission, Medicago sativa 3908.
asymptomatic infection, Fusarium oxysporum f.sp.ciceri 4938.
bacteroids viability, Rhizobium 7860.
blight, Alternaria alternata 1136.
common bean mosaic virus infection, yield, productivity, growth rate 8539.
cucumber mosaic virus infection, yield, productivity, growth rate 8539.
cucumber mosaic virus infectivity, dark, inoculum preparation methodology effects on 7655.

cultivars, disease resistance, downy mildew, Peronospora viciae, sporulation

disease resistance, footrot, Phoma medicaginis var.pinodella, screening 7753. disease resistance, Mycosphaerella pinodes infection, Ascochyta fabae effects on 480.

480. disease resistance, Peronospora viciae penetration, downy mildew 3142. disease resistance, Peronospora viciae penetration, downy mildew 3142. decotypes, Rhizobium leguminosarum incompatibility 5940. Erysiphe pisi inoculation methodology 9336. Fusarium solari infection, protection, cutinase inhibition, association, organophosphorus 500. genophosphorus 500. genophosphorus 500. genophosphorus filtrational methodologia per mold, Botrytis cinerea 7663. infection, pathogenicity, tomatine resistance Fusarium solani 6741. leaves, endopolygalacturonase inhibitor, purification, induction Ascochyta pisi infection 1350. leaves, ped polygalacturonase inhibitor, purification, induction Ascochyta pisi infection 1350. leaves, ped enation mosaic virus infection, pethogenicis 3030.

infection 1350.

leaves, pea enation mosaic virus infection, pathogenesis 3930, necrosis, Ascochyta pisi, toxins, pathogenesis 3930, necrosis, Ascochyta pisi, toxins, pathogenicity 1140, nitrogen fixation, Rhizobium leguminosarum, acetylene reduction relationship hydrogen gas production 9585, nitrogen nutrient uptake, inhibition nitrogen fixation 8685, nitrogen nutrient uptake, inhibition nitrogen fixation 8685, nodules, cytokinins levels, Rhizobium leguminosarum 5120, pathogenicity, Fusarium oxysporum 1.sp.pisi, temperature effects on 7653, pea enation mosaic virus, bean yellow mosaic virus, disease transmission, Myzus persicae, Acyrthosiphon pisum 2101.
penetration, Fusarium oxigani 1.sp.pisi, pesticides (organophosphorus) inhibition plant diseases. survevs. 7650.

plant diseases, surveys 7659.
plant diseases, surveys 7659.
powdery mildew, antifungal agents, disease control, Erysiphe polygoni 8637.
powdery mildew, Erysiphe polygoni, sufur fungiodes, disease control 4123.
Pratylenchus invasion inhibition, Thielaviopsis basicola infection role 9333.
Pseudomonas syringae pv.pisi bilight, incidence, Israel 9337.
Pseudomonas syringae pv.pisi bilight, incidence, Israel 9337.
Pseudomonas syringae pv.pisi bilight, incidence, Israel 9337.
roct rot, Aphanomyces euteiches 1.5p. pisi, pathogenesis 9319.
seed-borne diseases, detection, Mycosphaerella pinodes, Macrophomina phaseolina,
Phoma medicaginis var pinodella, Fusarum oxysporum 6732.
seeds, Pseudomonas antagonism, Trichoderma hamatum, association, Pythium rot,
biological control 5820.
stem rot, Hhizoctonia solani, interaction root rot, Fusarium solani f.sp.pisi,
Pythium utimum, Aphanomycos euteiches 9328.
subterranean clover red leaf virus infection, purfication, characterization
1146.

1146 symbiosis, Rhizobium leguminosarum, hydrogen recycling effects on nitrogen

symbolesis, Hinzoolum leguminosarum, nydrogen recycling einects of hindogen fixation 3229.

symbiolesis, Rihizobium leguminosarum, nitrogen fixation 7852.

symbiolesis, vesicular-arbuscular mycorrhizas, colonization 5902.

witi, Fusarium oxysporum f.sp.pisi, disease resistance, electrophoresis 4065.

witisteria veri mosacia virus infection, cytology 2164.

Plaum activum aubep_arvense, disease resistance, Phoma medicaginis var.pinodella infection, screening 478.

Pitch canker,

Fusarium moniliforme var.subglutinans, epidemiology, Pinus taeda 1467. Fusarium moniliforme var.subglutinans, pathogenesis, Pinus 6909. Pinus taeda seeds, epidemiology 543.

Prittomyces chartarum, mycotoxins, lood contamination, incidence, British Isles 3878, spores, spondesmin purification methodology, high-pressure liquid chromatography 3813. sporidesmolides, toxicity, role superoxide radicals formation, in vitro 274. Pityroaporum ovale, antifungal activity, benzoyl peroxide 7064.

Plant diseases, (continued)
epidemics, mathematical models 3896.
epidemiology, host-pathogen interactions, genetic factors, disease resistance,
books 9996. Plains, South Africa Rep., microorganisms populations 4217. South Africa Rep., microorganisms populations 4217.

Plant breeding,
Arachis hypogeas, disease resistance, black pod, Thielaviopsis basicola 9465.
Arachis hypogeas, disease resistance, blight, Sclerotinia minor 1342.

Beta vilgaris, disease resistance, beta yellows virus 2244.
Cajanus cajan, disease resistance, Phytophthora drechsleri f.sp.cajani 5038.
Cucurbinaceae, disease resistance, Phytophthora drechsleri f.sp.cajani 5038.
Cucurbinaceae, disease resistance, cucumber mosaic virus infection 3118.
disease control, Rhynchosporium secalis, leaf blotch, Hordeum vulgare 5809.
disease resistance, bacteria, fungi, phytoalexins biosynthesis, energetics 4059.
disease resistance, plant diseases, energetic analysis, conferences 7278.
disease resistance, rust, directina diseases, eresistance, fungi diseases resistance, rust, Antirhinum 3140.
disease resistance, rust, Antirhinum 3140.
disease resistance, Verticillium dahliae wilt, seedlings, Lycopersicon esculentum 5045. epidemiology, host-pathogen interactions, genetic factors, disease resistance, books 9988.
epidemiology, meteorology sensors, aspiration systems 8530.
epidemiology, relationship planting density, reviews 2972.
eliology, genetic analysis, reviews 2970.
fungi, baycor, disease control, Malus purmila 1421.
fungi, epidemiology, rotos growth, reviews 3903.
fungi, epidemiology, rotos growth, reviews 3903.
fungi, fungiorie max, Gramineae, seed treatments, fungicides, reviews 4132.
fungi, Gramineae, disease control 5829.
fungi, Horeice max, Gramineae, seed treatments, fungicides, reviews 4132.
fungi, Gramineae, disease control 5827.
fungi, mortality, pollution effects, air pollution, forests 6926.
fungi, new records, New Zelaind 322.
fungi, ornamental plants, trees, fungicides 9480.
geminivrus, tropical environment 4921.
Glycine max, surveys, Nepal 7660.
helper viruses, reviews 2979.
Hordoum, fungicides treatment 497.
imported diseases, crops 5666.
infection susceptibility, pest attack, Pinus contorta, Europhium clavigerum,
Dendroctorus ponderosae 8651.
leaves lesions, measuring techniques, computer applications, video image analysis 5045.
Festuca arundinacea, disease resistance, crown rust, Puccinia coronata 448. germplasm, disease control, viruses, crops 2242.
Glycine max, cuttivars, disease resistance, stem rot Phialophora gregata 5040. Glycine max, disease resistance, stem rot, Phialophora gregata 9457.
Glycine max, disease tolerance, Phytophthora root rot, USA, Othio 7656. Interspecific hybridization, Arachis, Cercospora arachidicola, disease resistance 4924 4924
Leguminosae, surveys 7659.
Lilium longiflorum 9417.
mathematical models, tissues disease spread 1117.
Mycoplasma, antibiotics treatment, technology 5839.
Mycoplasma, electron microscopy, reviews 9316.
mycoplasma-like organisms, effects on stomata, Ulmus 3171.
mycoplasma-like organisms, nickettisal-like organisms, viruses, vectors, Insecta 1722. Lespedeza cuneata, disease resistance, Rhizoctonia blight 6866. Lycopersicon esculentum, disease resistance, speck, Pseudomonas syringae pr. tomato 6842. mazze dwarf mosaic virus disease resistance genes, levels, genetic analysis, Zea mays 4092.

Medicago sativa, disease resistance, Verticillium wiit 7669.

Nicotana, disease resistance, blue mold, powdery mildew, wildlire 1339.

Pennisetum americanum, cytopiasmic male steritily, susceptibility, downy mildew,

Sclerospora graminosos sociatance, mungbean yellow mosaic virus 446.

Phaseolus, disease resistance, white mold, Sclerotinia sclerotorum 1365.

Ribes nigum, × Ribes nibrum, disease resistance, Sphaerotheca 1345.

Sclerotium oryzae disease resistance, Oryza sativa 7743.

Sorghum vulgare, disease resistance, oryza sativa 7743.

Sorghum vulgare, disease resistance, oryza mildew. Peronosclerospora sorghi 4061.

Triticum aestivum cultivars, disease resistance, leaf rust, Puccinia recondita

f.sp. tritici 1338.

Triticum aestivum, disease resistance, barley vellow dwarf virus 445. 1120.

Nilaparvata lugens, Fusarium oxysporum, biological control 3719.

pathogenicity, measuring techniques, mathematical models 1116.

pathogens, biological control, weed control, developing countries 742.

pathogens, fungi, interaction vesicular-arbuseular mycormizas 317.

pathogens, hungi, interaction vesicular-arbuseular mycormizas 317.

pathogens, phylotoxins receptors, plasma membranes, role 2096.

pathogens, phylotoxins receptors, plasma membranes, role 2096.

pathogens, pritolium repens. Medicago sativa, alfalfa mosaic virus, phaseolus vulgans, bean common mosaic virus 2996.

phylopathogenic Hungi, fungicides resistance 8725.

Pierce's disease, ration stunt, bacteria defection 320.

plant viruses, single-stranded DNA 4923.

Puccinia strilormis, staining methodology 6730.

reviews 7647.

Rhizoctonia solani, taxonomy, mating types, pathogenicity, reviews 2974. Triticum aestivum, disease resistance, barley yellow dwarf virus 445.
Triticum aestivum, disease resistance, giume blotch, Septoria nodorum 3123.
Triticum aestivum, disease resistance, stem rust, Puccinia graminis f.sp.tritici Triticum aestivum, disease resistance, stem rust, Puccinia graminis f.sp.tritci 8603.
Triticum aestivum, height, disease resistance, leaf blotch, Septoria tritica 454. Zea mays, disease resistance, Kabatiella zeae, eyespot 3456. Zea mays, disease resistance, mixize dwarf mosaic virus 8604. Zea mays, disease resistance, witt, Erwinia stewartii 1346. Zinnia elegans, × Zinnia angustifolia interspecific hybridization, Erysiphe ochoracearum disease resistance 7726. Reviews 7647.

Rhizoctonia solani, taxonomy, mating types, pathogenicity, reviews 2974, role, fungi viruses, reviews 1119.

role, potato spindle tuber viroid structure, physicochemical properties, reviews 8529. roots, crops, fungi, bacteria 9411. roots, Rhizoctonia solani, Rhizoctonia zeae, interaction, herbicides, Zea mays cichoracearum disease resistance 7729.

Plant cells,
Agrobacterium tumefaciens binding, host range, crown gall 2977.
cell culture, phytotoxicity, Aternana solani phytotoxins 3902.
detection methodology, plant viruses 4473.

Plant communities,
deserts, thermophilic microorganisms, dehydrogenase activity, soil
characteristics, soil moisture 9559.
nutrient sources, nitrogen, phosphorus, rhizosphere microorganisms, nival zone
4213. 5706. 5706.
soil suppression, biological control, conferences 1818.
soil-borne diseases, biological control 9472.
Stenotaphrun secundatum, plant viruses, characterization 4950.
Triticum, fungi, disease control, fungicides 5830.
Vigna unguiculata, Fusarium equiseti, Pseudomonas, factors affecting pathogenesis 4931. 4931.
virulence, relationship, Pseudomonas syringae pv.syringae outer membranes protein composition 7307.
viruses, books 9094.
viruses, cosks 9094.
viruses, conferences, books 2728.
viruses, disease control, repellents, Myzus persicae 459.
viruses, disease spread, agricultural practices, reviews 2978.
viruses, disease transmission, Aphididae 1122.
viruses, identification, Vitis virulera 1283.
viruses, Spermatophyta, pathology, books 8178.
viruses, Susceptibility, Physalis curassavica 3083. 4213.
soli microorganisms activity, soil moisture, organic matter, deserts 8665.

Plant debris,
biodegradation, microorganisms, acids effects on, lakes, potar environments 1995.
Carex, biodegradation, USA, Alaska, lakes, nutrient enrichment effects on 2023.
decomposition, leaching, soil microorganisms, Trifolium 566.
decomposition, organic matter formation, soil 1491.
Pseudorinonas syringae pv.lachrymans survival, association, pathogenicity, Cucumis sativus 9574.
Plant diseases,
affalfa mosaic virus, host range, Lycium 3085.
affalfar mosaic virus, host range, New Zealand 9317.
artichoke latent virus characterization, ultrastructure, geographical
distribution 315.
Ascomycetes, deuteromycetes, Ramularia, ecological distribution, France 2207. Plant extracts, lant extracts, antifungal activity 6045 antifungal activity, storage fungi 7934. Helianthus tuberosus, inulin, use, Saccharomyces rosei, ethanol production 8410. oils, chemical control, Nephotettix virescens, vectors, disease transmission, nee tungro virus 7737. Phaseolus vulgaris, Pseudomonas phaseolicola cell agglutination, role, pathogenesis 8540. Solanum melongena, Capsicum frutescens, Lycopersicon esculentum, +Verticillium dahliae infection, antifungal activity, Cladosporium cucumerinum 6877. distribution 315.

Ascomycates, deuteromycetes, Ramularia, ecological distribution, France 2207.

Aspergillus, Alternaria, phytotoxins disease resistance, India, reviews 1369.

association Phytophthora cinnamomi, solid distribution, bioassays 539.

association, Verticicladiella, roots, Pinus taeda, Pinus strobus 5873.

bacteria, plante servatest, antibacterial activity 9666.

bacteria, vectors, Insecta, reviews 2969.

biological control, microorganisms, books 4550.

biological control, phylloplane, reviews 3147.

books 9095

Frassica napus, surveys, Canada 7692 Solanum melonispena, vepsiani management and dahliae infection, antifungal activity, Cladosporium cucumerinum 6877.

Plant protection, Sorghum bicolor, Zea mays, Triticum aestivum, coatings, waxes, plastics 4071.

Plant viruses,
antiviral activity, Phytolacca americana proteins, relationship disease resistance, reviews 9478.
Australia, reviews 5528.
detection methodology, plant cells 4473.
disease control, mineral oil, vegetables oils 5813.
hybridization analysis methodology, Vicia faba tissues 9865.
inclusions, gluteralderiyde fixation, structure 4472.
infloction, Lillium, growth inhibitors effects on 7703.
Leguminosae, identification, USA, Tennessee 5689.
maize dwarf mosaic virus, vectors, Schizaphis graminum, disease transmission, Gramineae 5704.
plants, New Zealand, host range, arabis mosaic virus, tomato spotted wilt virus 6731. books 9095
Brassica napus, surveys, Canada 7692.
Colletotrichum acutatum, Tsuga heterophylla seedlings, new records, Canada 7783.
conferences 910.
conferences 1820.
conferences 3639.
conferences 3639.
conferences 6250. conferences 6369. conferences 10003. conferences 10003.
conferences, viruses, bacteria, fungi 7280.
crops, disease spread, models 366.
crops, trickle irrigation 5867.
Cylindroclicaldium, Eucatyptus, pathology 4178.
disposis relationship, plant viruses RNA, isolation, analysis, methodology 9866.
disease control, bacteriocins, bacteriocinogeny 5843.
disease control, lungicides 7759.
disease control, lungicides 7759.
disease control, lungicides 7759.
disease control, suppression, soil, books 904.
disease resistance, defense mechanisms, reviews 1336.
disease resistance, plant breeding, genetic analysis, conferences 7278.
disease resistance, plant breeding, genetic analysis, conferences 7278.
disease resistance, plant breeding, greenic analysis, conferences 7278.
diseases regard, mathematical models 9382. BRNA 5-terminus, hybridization analysis methodology 9867. RNA, isolation, analysis, methodology, relationship plant diseases diagnosis 9866. single-stranded DNA, plant diseases 4923. Stenotaphrum secundatum, plant diseases, characterization 4950. Plantago lanceolata, infection, ribgrass mosaic virus 2174. disease spread, mathematical models 9382

Plantago major, disease reservoirs, tomato ringspot virus, prunus 1209. infection, ribgrass mosaic virus 2174.

Plantations,

lantations,
Abies balsamea, Armillariella mellea infection 7788.
agricultural ecosystems, nitrogen cycle, Coffea 3217.
Coffea, nitrogen cycle, iteal litter decomposition 3218.
nitrogen cycle, nutrient sources, Theobroma cacao 3219.
nitrogen cycle, Theobroma cacao 3222.
Pinus strobus, Pinus sylvestris, Pinus nigra, Verticicladiella procera
pathogenicity 5083.
Pseudotsuga menziesii, needlecast, Rhabdocline weinii subsp.oblonga, Rhabdocline
pseudotsugae subsp.pseudotsugae 5864.

dates, use, disease control, Hordeum vulgare 7676. time, relationship, Claviceps fusiformis ergot, incidence, Pennisetum typhoideum 5712.

Planting density,

Hordeum vulgare, effects on root rot, Cochliobolus sativus 7674. Phaseolus vulgaris, effects on nitrogen fixation 6983, relationship plant diseases, epidemiology, reviews 2972.

lants, adiatoxins, toxicity, mechanisms, reviews 5647.
association, Basidiomycetes mycelia growth, soil 1478.
Australia, host range, Eutypa armeniacae 3900.
bacteria crown gall induction 4928.
bedding, Rhizoctonia damping-off, isolates characterization 2194.
Conidiocarpus peruzigi infection, pathogenesis, host range 3992.
diebaek disease control, soil mixtures 4925.
diebaek disease control, soil mixtures 4926.
diseases resistance, host-pathogen interactions, genetic factors 468.
diseases resistance, host-pathogen interactions, genetic factors 468.
diseases (rungi, new records, New Zealand 3899)
endomycorthizas symbiosis, +-methyl bromide furnigation, growth association, field trials 5910.

endomycorrhizas symbiosis, +methyl bromide furnigation, growth association, trials 5910.

extracts, antibacterial activity, bacteria, plant diseases 9666.

extracts, antibacterial activity, Iran 2458.

extracts, antiviral agents, vaccinia virus 3343.

food contamination, aflatoxions, detection methodology 6688.

frost damage, ice nucleation bacteria 4130.

gene transfer, Ti plasmid, Agrobacterium tumefaciens infection 4922.

genethe engineering, Agrobacterium tumefaciens crown gall 9318.

germplasm, viruses infection, seed-borne diseases, surveys 2092.

greenhouses, powdery mildew disease control, ectaconazole treatment 5004.

growth, relationship, wasterwater treatment nutrients removal 5329.

hop stunt disease virus infection, localization, leaves celle 313.

host range, bobacco mosaic virus, association defoliation 4024.

host-pathogen interactions 8185.

host-pathogen interactions, Spiroplasma 5665.

infection, dandelion latent virus, purification, characterization, Taraxacum officinalie soldtes 416.

officinale isolates 416. infection, total economic readout, paradeced officinale isolates 416. infection, tobacco streak virus, host specificity, pathogenesis, disease transmission 1126. inhibitors, replication, viruses 3156.

Insecta pathogenicity, biological control, viruses, fungi, books 9093. Insecta pathogenicity, biological control, viruses, fungi, books 9093. Isolation, Rhizoctonia solani, seasonal variations, soil 2097. leaves, phenols solubility proteins electrophoresis, relationship, viruses infection 2982.

leaves, ribonuclease, inhibition multiplication, tobacco mosaic virus, potato virus X 2095.

Injury A 2093. (Ignin, biodegradation, carbon incorporation, soil 5599. maize white line mosaic virus infection, disease transmission, USA, Ohio 1200. microorganisms infection, 2-chlorethylphosphonic acid effects on pathogenicity 319. mixed infection, Meloidogyne incognita+Rhizoctonia bataticola, effects on growth

Mycoplasma infection, tetracyclines treatment 5840.

Mycoplasma infection, tetracyclines infection infection infection infection 5095.

Mycoplasma infection, frankia strains nitrogenase activity 4239.

Mycoplasma infection, frankia strains nitrogenas

Pierce's disease bacteria incidence, vectors, USA, Camorna essi:
Jeant viruses, host range, arabis mosaic virus, tomato spotted wilt virus, New
Zealand 6731. potyvirus infection, pathogenicity, Populus isolates 316.
rare species, fungi diseases, USSR 7646.
Rhizoctonia solani, soi-borne diseases control, antifungal agents USA,
association, manure applications 323.
Rhynchosporium secalis infection, herbicides effects on spores quantity 486.
roof rot, pathogens, inhibition, rhizosphere microorganisms 1118.
sap, affalfa mosaic virus, detection methodology 2980.
seedlings. Pythium infection, damping-off, greenhouses 1265.
seedlings. Pythium infection, damping-off, greenhouses 1265.
seedlings. Protis respiration, Phytophthora cinnamomi infection 568.
seeds, Azotobacter chroococum inoculation, effects on yield 7800.
soil amendment, humification 2324.
soil-borne diseases, bark composts inhibition 3122.
Spiroplasma ctri, solation, cultimos 3122.
Spiroplasma ctri, sicolation, cultimos 3122.
Sturil, methyl bromide fumigation induction, endomycorrhizas role growth 5913.
toaco mosaic virus infection 9437.
tropical environment, soil microorganisms, effects on, yield, books 8181.
tumors, molecules structure, books 8173.
vegetables, disease control, infection, fungi, bacteria 2267.
vesticular-arbuscular mycorrhizas symbiosis, use, agricultural practices, reviews

Plants, (continued) 4188

4188. vruses, antigenic variants detection, enzyme-linked immunosorbent assay 1757. vruses, chemicals, induction, disease resistance, reviews 7751. vruses, detection, identification, immunoelectron microscopy use 4926, vruses disease transmission, Nematoda, association feeding behavior 1121. vruses infected, methodology, isolation, double-stranded RNA 3897. vruses infection, association, tissues color, calcium chloride preservatives 2093.

viruses infection, detection, enzyme-linked immunosorbent assay, sensitivity 3530.

viruses infection, double-stranded RNA, isolation 2981. viruses infection, ribavirin, 2,4-dioxo-hexahydro-1,3,5-triazine, treatment 312.

Plaque assay, adenovirus (human) 5 5372.

Influenza A virus, drug resistance, remantadine, amantadine 9635. neutralization, poliovirus 6298. Plaque Index, dental canes, acid production, sodium fluoride, mouthwashes, man 7210.

plaques, diameter, phages, measuring techniques 832. herpesvirus, autoradiography, thymidine kinase levels 9838. Plasma membranes,

Candida albicans, freeze-fracture, antifungal activity, amphotericin B 8009.
Candida albicans, sterol composition, antibotic resistance, nystatin 3277.
Candida, imidazoles effects on potassium release 606.
fatty acid composition, polymyxin antibiotic resistance, Pseudomonas aeruginosa 7040.

7040.

Periconia circinata phytotoxins effects on, roots, Sorghum vulgare 9345.
phytotoxins receptors, pathogens, plant diseases, reviews 2096.
Pseudomonas aeruginosa, soliubilization, sodium dodecyl sulfate 9664.
Saccharomyces cerevisiae, adenylate cyclase characterization 932.
Saccharomyces cerevisiae, freeze-fracture, crystal-optics, association, resistance evaporation use 4514.
Plasmidlophora breasices, clubroot, Raphanus sativus, pathogenicity, association, soil moisture, soil

temperature 6815 Plasmids,

antibiotic resistance, β-lactam antibiotics, aminoglycoside antibiotics, Shigella sonnei 4278.

Shigelia Sonnier 42/8.
antibiotic resistance, genetic control, Escherichia coli 2394.
antibiotic resistance, structure, incidence, Enterobacteriaceae 6025.
antibiotic resistance, trimethoprim, gram-negative bacteria, isolation, chiaracterization 78/2.
association bacteria antibiotic resistance, aminoglycoside antibiotics, epidemiology, France 6006.
association, bacteria, resistance, antimicrobial agents, metals, ione, reviews

8735 Bacillus subtilis, acridine orange effects on polyglutamic acid biosynthesis

1846

1846.

Bacillus thuringiensis subsp.israeliensis, asociation biological control, Culicidae larvae 2842.

Beijennokia, hydrocarbons biodegradation 5144.

Campylobacter, isolation, methodology 5423.

cloning, Bacteroides fragilis subsp.thetaiotaomicron, DNA fragments, identification association 4487.

conjugate, analysis, Staphylococcus aureus gentamicin antibiotic resistance 8738.

DNA, isolation, characterization, electron microscopy, Escherichia coli 6340.

DNA isolation, Streptococcus lactic acid bacteria 9047.

druu resistance, gentamicin, conjugation, Staphylococcus 3273.

drug resistance, gentamicin, conjugation, Staphylococcus 3273 drug resistance, Vibrio anguillarum, conjugation, Vibrio parahaemolyticus 6015 Enterobacteriaceae, antibiotic resistance, distribution, trimethoprim, gentamicin

3302.

senterotoxins, Escherichia coli, gene transfer, antibiotic resistance 3299. Escherichia coli, copies, measuring techniques 7248. Escherichia coli, genetic control, antibiotic resistance, fusidic acid, role, chioramphenicol acetyltransferase 9649. Ractor RPAL, aminoglycoside acetyltransferase, aminoglycoside phosphotransferase, kinetics, mechanisms 8271. Ractor RPA. Flator RPA. Flator to RPA. In attorio RPA. In attorio RPA. en tactor actorio acetyltransferase, chioramphenicol, analogs, Ractor RPA. Flator RPA.

H lattor Hzb, H lattor Hsb-1, ambionic resistance, chioramphenicol, analogs, Escherichia coli 654.

R factors, U.V. radiation resistance, Pseudomonas aeruginosa 7037.

R factors, ampricillin antibiotic resistance, Salmonella typhimurium 646.

R factors, amplicillin antibiotic resistance, Salmonella typhimurium 646.

R factors analysis, Enterobacteriaceae drug resistance, association, nosocomial infection 1541.

R factors, antibiotic resistance, drug resistance, Pseudomonas aerugnosa 6031 R factors, antibiotic resistance, drug resistance, Staphylococcus aureus 2403. R factors, antibiotic resistance, kanamycin, tetracycline, Rhizobium japonicum

7875. R factors, antibiotic resistance, Salmonella typhi 7876. R factors, antibiotic resistance, Shigella 7044. R factors, carbadox drug resistance, host range, Eschenchia coli, animal isolates 7038.

isolates 7036.

R factors, conjugation, drug resistance, hexachlorophene, Escherichia, Salmonella, Pseudomonas 6030.

R factors, conjugation, incompatibility, identification methodology 3551.

R factors, Enterobacteriaceae, antibiotic resistance transfer, wastewate treatment 1548.

R factors, Enterobacteriaceae, role, antibiotic resistance transfer 1543. R factors, Escherichia coli, antibiotic resistance, animal isolates, chickens

7043.
R factors, Escherichia coli, isolates, man, cattle, chickens, pigs 7039.
R factors, host range, man, normal subjects 7882.
R factors, incidence, antibiotic resistance, water isolates, Escherichia

isolates. Escherichia coli 7204.

R factors, Salmonella typhimurium antibiotic resistance 5159

R factors, Salmonella typhimurium, association, drug resistance, Kuwait 5150. R factors, Salmonella typhimurium, clinical isolates, characterization, India

H factors, Salmoneia rypnimunum, cirrical isolates, characterization, india 2409.

R factors, Streptococcus pneumoniae clinical isolates, detection, association, antibiotic resistance 5163.

R factors, use, virulence plasmids transfer, Agrobacterium rhizogenes 4488.
Frankia, nodules, Almus glutinosa 560.
gene transfer, drug resistance, trimethoprim, Enterobacteriaceae 3298.
genetic control, toxins, production, Bacillus anthracis 2085.

Subject Index Platanus occidentalis. Plasmids, (continued) pathogenicity, leaf scorch, gram-negative bacteria 9515. seedlings, vesicular-arbuscular mycorrhizas, phosphate uptake 9503. genetic engineering, bacteria, yeasts, methodology 5364.
Haemophilus influenzae, antibiotic resistance, characterization, transfer, Platanus racemosa, Microsphaera alni, leaves lesions, measuring techniques, computer applications, Haemopnius influentzae, ambibute feststance, characterization, dansels, B-lactamase 644.

Hy plasmid, Enterobacteriaceae, antibacterial activity, surfactants, effects on 4296. video image analysis 4924
Platynota idaeusalis, 4290.
Inc plasmids, bacteria, classification methodology 6335.
Inc plasmids, classification, use, phages lysis bacteria 9879.
isolation methodology. Eschenchia coil 9875.
isolation methodology, starter cultures, Streptoccus 4493.
mediated, mercury resistance freeze-thiamig effects on Pseudomonas aeruginosa larvae, Bacillus thuringiensis subsp.kurstaki toxicity, association formaldehyde dietary intake 7498. Pleospora herbarium, leafspot, Simmondsia californica, pathogenesis, new records 8578. Pleospora infectoria, 3265 rot, Lycopersicon esculentum, extracellular enzymes effects on pathogenesis mediation β-lactamase production, Escherichia coli, screening methodology Neisseria gonorrhoeae, antibiotic resistance, penicillin 3270. plasmid pBF4, transfer, clindamycin antibiotic resistance, Bacteroides fragilis Pieospora valesiaca, plants diseases, new records, New Zealand 3899. Plesiomonas, feces isolation, media (culture) 9896. plasmid pBS12, U.V. radiation resistance, Pseudomonas aeruginosa 7037. plasmid pBS31, U.V. radiation resistance, Pseudomonas aeruginosa 7037. plasmid pU1008, Rhizobium leguminosarum, transfer, relationship, nitrogen Plesiomonas shigelloides, plasmid pbirtos, mickelinin legiminusarum, aurisei, relationismi, mickelinin fixation, nodulation 1995.
plasmid pKH80, relationship Escherichia coli antibiotic resistance 631:
plasmid pMB9, plasmid pBH322, antibiotic resistance, association, cadmium sensitivity, Escherichia coli 1536.
plasmid pBID1, transfer, Escherichia coli, Enterobacter cloacae, nitrogen fixation Pleural fluid, animals, bacteria recovery, media methodology 3609. Pleurotus cystidiosus, nucleic acids levels, mushroom poisoning relationship 1961. Pleurotus ostreatus, biodegradation, straw 5587 biodegradation, straw 5587.

+Envinia carotovora, culture, effects on, nutritive value, Triticum aestivum, straw. Ruminatia 254.
Ignin, biodegradation 5598.
protopiasts formation, methodology 8166. plasmid pSM1 role, monensin biosynthesis 2744. plasmid pSRQ50, Pseudomonas putida, role, metabolism, β-citronellol, geraniol plasmid pSV1, Streptomyces violaceus-ruber, role, methylenomycin A biosynthesis plasmid pSV1, Streptomyces violaceaus-ruber, role, methylenomych A biosyntin 783.

plasmid R1drd-19, kanamycin antibiotic resistance, characterization 1520.

Pseudomonas aeruginosa, genes antibiotic resistance 1544.

purification, utriacentrifugiation 3553.

Rhizobiaceae, association, host range, host plants cell recognition 5937.

Rhodococcus erythropolis, association, conversion, sclareol, abienol 8437.

role, antibiotic resistance, bacteria 6017.

role, antibiotic resistance, gentamicin, methicillin, Staphylococcus aureus, Eire hospitals isolates 7032.

role, Enterobacteriaceae, enterotoxins biosynthesis 8524.

role, Escherichia coli enterotoxins biosynthesis, association eukaryotes adenylate cyclase activation 7642.

role, Streptomyces venezuelae chloramphenicol biosynthesis 8867.

role, trimethoprim resistance transfer, Escherichia coli 6028.

Salmonella, epidemiology, salmonellosis, man, beef food contamination 8472.

Salmonella, krifeld, role, cortimoxazole drug resistance 3278.

Salmonella, trimethoprim drug resistance 4277.

Salmonella, trimethoprim drug resistance 4277.

Salmonella fexiceri, antibiotic resistance, clinical isolates 4280. pest control, captan, compatibility, Bacillus thuringiensis, stored products 7495 pest control, captan, compatibility, Bacillus thuringiensis, stored products 8351 Ploidy, Aureobasidium pullulans, effects on radioresistance, U.V. radiation 2395. Plowing, effects on, soil, enzymatic activity 4216. Plum pox virus, nation, menstem tip culture, Prunus domestica 2246. Pneumonia, cattle, animal isolates, anaerobic bacteria, susceptibility, antibiotics 7987 Enterobacteriaceae isolates, man, antibiotic resistance 1537. Poa, blight, Sclerotium rolfsii, disease control, fungicides, salts, Trichoderma 1402. Poa annua, blight, Basidiomycetes 1172. Staphylococcus aureus, antibiotic resistance, clinical isolates 4280.

Staphylococcus aureus, antibiotic resistance, gentamicin, methicillin 6019.

Staphylococcus aureus clinical isolates, role, antibiotic resistance, Australia 7029. oa pratensia,
biight, Basidiomycetes 1172.
leaves senescence, Drechslera sorokiniana leafspot, herbicides effects on
pathogenesis 9387.
pathogenesis 9387.
pathogenicity, Rhizoctonia zeae 5701.
roots, adhesion, Klebsiella pili, purification, characterization 8660.
sugars, amino acids, Drechslera sorokiniana pathogenesis, herbicides effects on
5718. Poa pratensis, Streptomyces fradiae, neomycin biosynthesis 6160.

Ti plasmid, Agrobacterium turnefaciens, crown gall, genetic engineering 5788.

Ti plasmid, Agrobacterium turnefaciens, DNA analysis, Nicotiana tabacum crown gall

7690. 7690.
Ti plasmid, Agrobacterium turnefaciens, infection, plants, gene transfer 4922.
Ti plasmid DNA, detection methodology, Agrobacterium turnefaciens 9980.
transfer, aminoglycoside antibiotics, antibiotic resistance, Staphylococcus 7046.
transfer, nitrogen fixation, bacteria, conferences 5452.
transfer, Staphylococcus antibiotic resistance, aminoglycoside antibiotics 7042.
transfer, Staphylococcus aureus antibiotic resistance, relationship phage typing Poaceae, rust, incidence, Africa, East 9365. rust, incidence, Amica, East 9:365.

Pod rot,
Arachis hypogaea, Pythium myriotylum, metham sodium disease control 1411.
Phaseolus vulgans, Botrytis cinerea spores dispersal, incidence 5686.

Podophylium peltatum,
extracts, antiviral activity 6071.
Podosphaera leucotricha, 8721 8721.
trimethoprim drug resistance mechanisms, bacteria, clinical isolates 5999.
virulence, Agrobacterium rhizogenes, transfer methodology, R factors use 4488.
Plaamodiophora brassica 2212.
clubroot, Brassica 2212.
clubroot, Brassica cleracea, Brassica rapa, disease resistance breeding 9477.
clubroot, calcium carbonate, effects on, pathogenesis, Cruciferae 4255.
clubroot, crop fields, calcium sulfate, sodium carbonate, calcium carbonate effects on 314.
clubroot, Cruciferae role 3-indolymethyloliurosimplate conversion 5761. odospheera leucotricha, powdery mildew, disease control, fungicides, Malus pumila 2281. powdery mildew, disease control, greenhouses plants, ectaconazole treatment 5004. powdery mildew, fungicides, disease control, Malus pumila 2280. powdery mildew, fungicides control 4113. powdery mildew, Malus, disease resistance 7739. powdery mildew. Malus domestica, temperature effects on buds 1211. powdery mildew, Malus pumila, dormancy, fungicides treatment 1398. clubroot, Cruciferae, role, 3-indolylmethylglucosinolate conversion 5761. clubroot, disease control, foliar applications, herbicides, Brassica oleracea Podospora anserina, emetine resistance, association ribosomal proteins 3274. 8632 8632.
clubroot, pathogenicity, Cruciferae 2211.
clubroot, role zoospores, Brassica campestris 4998.
disease resistance, evolution, Brassica oleracea var.botytis 6861.
infection, Brassica chinensis, soil moisture, effects on 2216.
infection, vegetables, plants, disease control 2267.
Plasmodium faticiparum,
clinical isolates, ketoconazole, derivatives, antifungal activity 1566.
malaria, man, bredinin antimalarial activity 1589.
Plasmopara halatedil,
downy mildew, disease resistance. Helianthus annuus 4066. erinature resistance, association noisomal profesis 32/4.

Poinsettia cryptic virus,
elimination, Euphorbia pulchernma, suspension culture 4037.

Poinsettia mosalc virus,
elimination, Euphorbia pulchernma, suspension culture 4037. infection incidence, Euphorbia pulcherrima, Canada 5014. infection fluctures, supervised in the protection fluctures and the protection of th

downy mildew, disease resistance, Helianthus annuus 4066.
downy mildew, effects on, metabolism, Helianthus annuus 3987.
downy mildew, Helianthus annuus 4006.
downy mildew, Helianthus annuus 4006.
downy mildew, stimulation, phenylalanine ammonia-lyase kinetics, Helianthus
annuus 3405.

annuus 9405. Plasmopara heilanthi, downy mildew, Heilanthus annuus, disease control, metalaxyl 1418. Plasmopara obducens, infection, Impatiens, amino acids, ± Meloidogyne incognita infection 2205. Plasmopara viticola, downy mildew, fungicides resistance, measuring techniques, in vitro, Vitis vinifera 7890 downy mildew, growth, tissue culture, Vitis vinifera 1289.

Plastics,

coatings, plant protection, fungi infection, Sorghum bicolor, Zea mays, Triticum aestivum 4071.

culture systems, microwave radiation sterilization, bacteria 708, food packaging, association, microorganisms contamination 1094. Platanus.

lakes, microorganisms succession, leaf litter decay 1001.

Polarography,
cytochrome c3, Desulfovibro 8192.
subtilisin subtilisin inhibitor complex dissociation, Streptomyces 6518.
zunc binding alcohol dehydrogenase, yeasts 6496.

Poly(etnylene),
soil mulches, effects on Sclerotium oryzae sclerotia 1513.

Poly(glutamic acid),
biosynthesis, genetic control, Bacillus subtilis 911.

Poly(hexamethylene biguanide hydrogen chloride),
antibacterial activity, use biocides, food industry 2450.

milk production, contamination, microorganisms 4785. Poly(anions),

protoplasts 8582 Poland.

role, tobacco mosaic virus multiplication inhibition. Nicotiana aestivum

inhibition α-amylase, dextranase, kinetics, fluorescence, Bacillus subtilis Polar environments, lakes, acids effects on plant debns biodegradation, microorganisms 1995, lakes, microorganisms succession, leaf litter decay 1061.

bark necrosis, Gnomonia platani, Cylindrocarpon heteronema 6920

Pollovirus, adsorption, filters, salts effects on 3469. polymerizati adsorption, sand, clays 7802. Polyacrytic a catsorption, sand, clays 7802. Polyacrytic a catterior santivorial agents, D-arabinofuranosyl derivatives 3342. Polyaithia for assays, use, immunoelectron microscopy 4476. Polyaithia for leaves, especially septimental polyamines, bioaccumulation, Crassostrea virginica, Crassostrea gigas, Mercenaria mercenana, Polyamines, poliuted, anvironments 1711. Diodecumulation, Crassostrea virginica, Crassostrea gigas, Mercenaria polluted environments 1711.
Contamination, crops, leaves, recovery methodology 1767
disinfectants antiviral activity, efficacy, gel filtration methodology 9694,
disinfection, antiviral activity, chlorine, chlorine dioxide, iodine, bromine
chloride 2468. chlonde 2468. herbs, indusion, antiviral activity 7950. hygromycin B, antiviral activity, HeLa cells 7947. inactivation, ammona role, heat effects on 7945. incidence, sewage, Czechoslovakia 3460. plaque assay, neutralization 6298. proteins, high-performance liquid chromatography, separation, methodology 8102. sewage sludge, relationship vaccination, man 3470. structural proteins, separation, high-performance liquid chromatography 7228. Pollovirus 1, antiviral activity. 2-amino 5-62 N-methyles illamidophopub. 1.1.4 bis disclose. antiviral activity, 2-amino-5-(2'N-methyl-sulfamidophenyl)-1,3,4-thiadizole, derivatives 9693 enzyme-linked immunosorbent assay 6300. isolation methodology, estuanes sediments 8106. ribavirin, antiviral activity 7948. synthetic compounds antiviral activity 6064. Pollen, openingation. Reta uniterals but and activity 6064. onen, germination, Beta vulgaris, beet mosaic virus, beet yellows virus infection effects on 2163. Lilium longiflorum, aflatoxins bioassays, use 5641. localization, necrotic ringspot virus, enzyme-linked immunosorbent assay, Prunus 2148.
Luffa acutanyula, effects on, spore germination, Pseudoperonospora cubensis, downy mildew 5011.
Lycopersicon lycopersicum, antifungal activity, Alternana alternata.
Helminthosporium oryzae 8605.
ornamental plants, airborne particulates, association fungi distribution 7705.
Prunus, prunus necrotic ringspot virus localization 1219.
Zea mays, enhancement, Colletotrichum lindemuthianum infection, inhibition, cowpea mosaic virus infection, Vigna unguiculata 327. Pollination, Pollination,
Pennisetum americanum, effects on, smut, Tolyposporium penicillariae,
pathogenesis 6777.
Pollutants,
relationship, wastewater treatment 5330.
soil, microorganisms metabolites, phytotoxicity, Cucumis sativa 4193.
Pollutate environments,
collinations biogeocumulation, Crassestrea virininis. Crassestrea virininis. poliovirus bioaccumulation, Crassostrea virginica, Crassostrea gigas, Mercenaria mercenaria 1711. Pollution. Pollution, effects on, lead, soil properties, humus, enzymatic activity, metabolism 2326. water, microorganisms 1713.

Pollution detection, methodology, water pollution, microbial contamination, fecal microflora, membrane fiftration 2626. water pollution, microbial pollution, enterovirus, Perna canaliculus 3516.

Pollution effects, acid rain, ± zinc, viability, soil microorganisms 9509. acid rain, Glomus fasciculatus stimulation heavy metals uptake, Ehrharta calycina 7805. 7805 sultrum, soil microorganisms, leaf litter decomposition, nutrient availability, sultru 9507. air pollution, tungi, plant diseases, mortality, forests 6926. cadmium bioaccumulation, microorganisms 794. climatic change, carbon dioxide, nutrient cycles, soil microorganisms 9563. 2,4-D pesticide residues, soil microorganisms, respiration, nitrogen fixation 9621. heavy metals, nitrogen fixation, grasslands, Trifolium repens, nitrogen-fixing neavy metals, htrogen rixation, grasslands, i riffolium repens, httpogen-rixing bacteria 886c ericlericidal activity, coliforms, indicator species 1550. czone, Glomus fasciculatus growth, Lycopersicon esculentum roots exudates 7811 roads saits, enzymatic activity, soil microorganisms 7801. Pollution indicators, Pollution indicators, bacteria, removal, waste treatment methodology 2610. Pisces intestinal microflora bacteria, water pollution, Iran 1725. sewage, urease activity, beaches 3180. Pollution levels, microbial pollution, sewage effluents 1712. microbial pollution, water quality 1721.

microbial poliution, water quality 1721.

Poliution monitoring,
microbial poliution, phages, ground water, tracers 3479,
microbial poliution, partace water, methodology, Salmonella 8117,
sewage effluents, biological oxygen demand, algae 2614,
sewage treatment plants, Spirillum volutans 3464.

Poly(II-benzyl-4-vinylpyridinium bromide),
removal, bacteria, water treatment, methodology 9046.

Poly(II) poly(C),
-cyclic AMP + cyclic GMP, activation, defense mechanisms, Nicotiana glutinosa
givcoproteins, viruses infection 3136.

Poly(viny) alcohol),
use, immobilization, Penicillium funiculosum, cellulase, β-D-glucosidase,
exo-cellobiohydrolase 8315. use, immobilization, Pericinal in tunicuosum, Centrales, p.p. grocostation, exc-cellobiohydrolase 8315.

Poly-6-hydrobutyric scid, biosynthesis, Azospirillum brasilense continuous culture, oxygen tension effects on 2749. Poly-B-hydroxyalkanoate,
Bacillus megaterium, purification, characterization 2846.
Poly-B-hydroxybutyric acid,
bacteria, assays methodology 4498.
Polyacatylenes,
accumulation, Bidens pilosa tissue culture, Pythium aphanidermatum culture aeruginosa 7040. antibiotic resistance, Pseudomonas aeruginosa, association, outer membranes membrane permeability 632.
antibiotic sensitivity testing, Yersinia pestis, mutants 6174.
+erythromycin 1787. fitrates 5754 Polyacrylamide,
Desuflovibrio, oil contamination, polyacrylamide 5141.
gels, β-D-galactosidase immobilization 9176. Pseudomonas aeruginosa antibiotic sensitivity testing 7068.

Polyacrylamide, (continued) polymerization, Alicaligenes faecalis immobilization 9970. Polyacrylic acid, ects on Sporotrichum pulverulentum lignosulfonates biodegradation 6643. Polyaithia longifolia, aves, extracts, antimicrobial activity 6084. obyammes, biosynthesis, Clostridium thermohydrosulfuricum 9205. stimulation ornithine decarboxylase inhibitor activity, Physarum polycephalum 81. Thermus thermophilus, structure, characterization 8194. effects on tobacco mosaic virus inoculation, infection, Nicotiana tabacum 4989. Polyarthritis, Ross River virus, immunoglobulin M serum levels, enzyme-linked immunosorbent assay detection, man 9834.

Polycations, effects on tobacco mosaic virus inoculation, infection, Nicotiana tabacum 49 Polycyclic aromatic hydrocarbons, biodegradation, composting 2875.
Polydeoxyribonucleotide synthetase (ATP), phage 14, immobilized enzymes, DNA fragments ligation 2755.
Polyelectrolytas.
Polyelectrolytas, Polyelectrolytas, acmycin, punification, characterization, Streptomyces 8017.
± amphoterican B, antifungal activity, Candida albicans 1633.
antibiotic sensitivity testing, bacteria, growth zones relationship time 2520. antibiotics sensitivity testing, bacteria, growth zones relationship time 2520. antibiotics 315, Giluconobacter biosynthesis, antibacterial activity, antifungal activity 2570. effects on tobacco mosaic virus inoculation, infection, Nicotiana tabacum 4989. activity 2570 activity 25/U. antituda albicans, association endocarditis 7935. antifungal activity, mechanisms 9725. Gluconobacter, biosynthesis, screening 2571. inactivation, association, growth inhibition zones, mathematical models 6104. inactivation, mechanisms 2596. Polyether antibiotics, antibiotic X-14868, biosynthesis, Nocardia 6208 antibiotic X-14868, biosynthesis, Nocardia 6208.

Polyethylene,
packaging, milk products, oxygen permeability, spoilage, yeasts, fungi 4884.

Polyethylene glycol,
antibacterial activity 8774.

biodegradation, Pelobacter venetianus sp.nov. 6645.
Methanobacterium, desulfovibrio, biodegradation 8430.
turbidhy, detection hepatitis B surface antigen antigen-antibody complexes 826.

Polyethyleneimine,
use, immobilization, Brevibacterium flavum, association, malic acid production,
furmarate hydratase activity 4494. Polygala particulata, witches broom, mycoplasma-like organisms, disease transmission, Orosius lotophagorum ryukyuensis 9424.
Polygalacturonase, Polygialacturonase,
Aspergillus niger, sugar hydrolysis 4664.
biodegradation, leaf litter, Hyphomycetes 2003.
biosynthesis, Pencillium, Fusanium, extracellular enzymes 1922.
citrus sinersis soft rof, Aspergillus aculeatus, Botryodiplodia theobromae 3965.
Clostridium thermosulturogenes, pectiresterase 4660.
fungi, use, oranges, extraction, oils, protein 8483.
isoenzymes characterization, Erwinia atroseptica 6547.
Kluyveromyces marxiamus, characterization 8248.
post-harvest decay fungi 5528.
Sclerothina sclerothorum, purification, characterization, role pathogenicity 946.
Trichoderma longibrachiatum, production, carbon sources effects on 3678.
Trichoderma reesei, biosynthesis, activity 8308.
Xanthomonas campestris secretion, carbon sources effects on 5508.
Polygialacturonase trans-elliminase,
Xanthomonas campestris secretion, carbon sources effects on 5508.
Polygialacturonase trans-elliminase,
Xanthomonas campestris secretion, carbon sources effects on 5508. Xanthomonas campestris secretion, carbon sources effects on 5508.
Polyglutamic acid,
biosynthesis, acndine orange effects on, Bacillus subtilis plasmids 1846.
Polygodial,
antitungal activity, biosynthesis, Pseudowintera colorata 688.
repellents, Myzus persicae, vectors, viruses, plant diseases 459.
Polygonum aviculare,
alieliopathy, phytotoxins, Cynodon dactylon, Azotobacter, Rhizobium 8683.
Polyhexamethylene biguanides,
antibacterial activity, cytoplasmic membranes damage, Escherichia coli,
structure-activity relationships 7063. Polylpolyglutamate synthetase, purification, characterization, Corynebacterium, Lactobacillus casei, Streptococcus faecalis, Neurospora crassa 67. Polymerization, gels, immobilized cells, immobilized enzymes 9008. radiation, use, Trichoderma reesei immobilization 7262. radiation, use, Trichoderma reesei immobilization 7262.

Polymera,
effects on, Saccharomyces cerevisiae, ethanol fermentation yield 5573.
production, Klebsiella aerogenes, extraction, methodology 2670.
solutions, use, pharmaceuticals coatings, microorganisms growth association 5345.
yeasts adsorption, immobilized cells, ethanol production 7521.
Aanthomonas campestris secretion, carbon sources effects on 5508.
Polymethylgalacturonase,
post-harvest decay fungi 5528.
Polymyxa betse,
utrastructure, beet necrotic yellow vein virus vectors, Beta vulgaris soil-borne ultrastructure, beet necrotic yellow vein virus vectors, Beta vulgaris soil-borne diseases 363. Polymyxa graminis, ultrastructure, wheat mosaic virus vectors, Triticum aestivum soil-borne diseases 363 Polymyxin olymystin, artiblacterial activity, Chlamydia 9714. artiblotic resistance, membrane proteins, envelopes, Pseudomonas aeruginosa 2414. artiblotic resistance, plasma membranes fatty acid composition, Pseudomonas Polymyxin, (continued)

ociation, Pseudomonas aeruginosa outer membranes, protein

résistance, absolution 663.

Salmonella clinical isolates, antibiotic sensitivity testing 6112.
susceptibility, association, coagulase, Staphylococcus, strains 8866. Streptomyces, purification, characterization 2820. structure, Klebsiella antigen O 8329 Polymyxin B, antibiotic resistance, Pseudomonas aeruginosa 7023. antibiotics sensitization, Escherichia coli, Salmonella typhimurium 7158. +EDTA+tromethamine, antibioticrial activity, Escherichia coli 8765. effects on ions permeability, Escherichia coli 758. effects on ions permeability, Escherichia coli 758. effects on Salmonella typhimurium outer membranes 7159. loss, media (selective), Vibrio parahaemolyticus, sealood 222. +midecamycin, antibiotic sypregism, antibacterial activity, Pseudomonas aeruginosa 1669. structure, Rhizobium, capsules, extracellular 7437. sulfur, carbohydrate composition, Arthrobacter 2818. Polymyxin B eria meningitidis, immunochemistry, enzyme-linked immunosorbent toxoids, Neisseria meningitidis, immunochem assay 4430. Yersinia pseudotuberculosis, structure 9199. Polyacias fruticosa, foliar diseases, blight. Alternaria panax 3090. Toliar diseases, blight, Alternaria pariax 3090.

Polyaphondyllum purpureum,
ecological distribution, population density, forest floor 5849.

Polyaphondyllum vlolaceum,
acrasin, structure 7294.
ecological distribution, population density, forest floor 5849. reaction, lipopolysaccharides, cell walls, bacteria, identification, methodology risd.
resistance, relationship, cations effects on protein H1 biosynthesis, Pseudomonas aeruginosa envelopes 5158.
Polymykin M, antibiotic sensitivity testing, Pseudomonas aeruginosa 1600.
+ethonium, antibacterial activity, Pseudomonas aeruginosa, clinical isolates Polystyrene, substrates, 448# tes, bacteria cell adhesion, measuring techniques, use, bioluminescence tide antibiotics, characterization, reviews 1682. containing peptide arhibiotics, characterization, reviews 1682.

Polyvinylpyrrolidone,

+ Tween media (culture), Leptospira interrogans growth 9031.

Ponctrus trifoliata,

**Citrus sinensis, roots exudates effects on spore germination, Glomus epigaeum 1477.

Ponderes stis antibiotic sensitivity testing 6110. Yersinia pe Fortua, solation, air-water interface, aquatic microorganisms, scanning electron microscopy, observation techniques 8088.

Pongamia glabra, extracts, antifungal activity 1570. 8265.

Polyporus versicolor,
biodegradation, carbohydrates, straw 8442.
laccase, fluorescence, phosphorescence 7366.
laccase, Flaman spectroscopy 9148.
treatment, pulp, effects on paper 396.
Polyribonucleotide synthetase(ATP),
use, tRNA labelling, phage 14 9860. Pools, treatment, +U.V. radiation, microflora, incidence, Naegleria, hospitals 798. Population changes,
bacteria soil microorganisms, Fagus sylvatica forests, clear cutting, Picea abies replacement 7779. replacement (7/3. Population decline, mycorrhizas, nitrogen fertilization effects on, Pinus sylvestris 3163. Population density, bactena, soil, Pahokee muck, species diversity, respiration, enzymatic activity phage T4, use RNA fluorescent probes, biotin labelling 9833. Polyribonucleotides, antiviral activity, Semliki forest virus, chick embryos 1578. Polysaccharides, 5912 Gosypium hirsutum 8706. Acinetobacter calcoaceticus, extracellular levels, association emulsification activity 1949. acrown 1949.
Actinomyces viscosus, biochemical characteristics 2817.
Agrobacterium radiobacter, carbohydrate composition, seed treatments, inhibition damping-off, Pythium ultimum, Beta vulgans 7710.
antigen O, biosynthesis, Salmonella anatum UDPgalactose 4-epimerase deficient mutant, synthetic galactosyl ficaprenyl diphosphate intermediates 7440.
antitumor activity, Porta cocos 7446.
Aureobasidium pullulans, production, batch culture, association, ammonium concentration 6570. Gossypum hirsurum 87/vs.

Population dynamics,
bacteria, waste treatment, animal wastes, lagoons 4434,
bacteria, waste treatment, animal wastes, lagoons 4434,
Basidiomycetes, decomposition, roots, wood, Quercus robur 5861,
fungi, association, heavy metals gradients, soil, Sweden 6898.
Fusarium udum, sawdust soil amendment effects on 3252.
Pythum utilimum, growth, soil, water potential 4228.
rust, Uromyces appendiculatus, interspecific relationships, Verticillium lecanii,
Dhaesalis, utiliname 2108. Aureobasidium pullularis, production, batch culture, association, ami concentration 6570.

Bacillus oligoniriophilus, assays, mathematical models 8126. bactetta, applications, industries, reviews 9200.

Bastidiomycetes, antitumour activity, mice 7425, biosynthesis, carbohydrate composition, thermophilic bacteria 6573. biosynthesis, Hyphomicrobium, methanoi utilization 3709.

Salmonella 4702, meetiris extracellular robusters medirust. Uromyces appendiculatus, interspectic relationships, Verticillium lec Phaseolus vulgans 2108. Saccharomyces cerevisiae, batch culture, quality control 3818. Saccharomyces cerevisiae, growth, reactors, mathematical models 3633. soil microorganisms, mounds, Isoptera, Kenya 8669. soil microorganisms, Saudi Arabia 2352. soil, microorganisms, Soil analysis, methodology 4224. yeasts, soilation, trees exudutes 2295. biosynthesis, Xanthomonas campestris, extracellular polymers, media (culture) 2682. yeasts, isolation, trees exudates 2295.

Population ecology,
host plants, vesicular-arbuscular mycorrhizas, ectomycorrhizas, ecophysiology,
nutrient transport, absorption 9539.
pathogens, limiting factors, plant diseases 5698.

Population genetics,
Cronarium quercuum f.sp.fusiforme, fusiform rust, virulence, disease resistance, 2682
capsules, Haemophilus influenzae, association cotrimoxazole tolerance 1562.
capsules, Rhizobium japonicum, role nodulation, Glycine max 3237.
carborlydrate composition, antitumor agents, Microellobosporia grisea 6587.
carborlydrate composition, Filizobium meilition 6574.
cell walls, 2,3-diamino-2,3-dideoxyglucronic acid biosynthesis, characterization, Propionibacterium acress 3657.
characterization, bacteria, intertidal environment 7443.
degradation, nosil microorganisms, glucose radioactive labelling 1474.
degradation, Ampelomyces quisqualis, enzymes detection 8319.
effects on tracyglygeroli lipase biosynthesis, Pseudomonas aeruginosa 1945.
extracellular, carborlydrate composition, Streptococcus mutans, Streptococcus sanguis 8326. Pinus 6913 Zea mays, downy mildew resistance, germplasm, Peronosclerospora sorghi 8626. Population growth,
Brachionus plicatilis, association, Saccharomyces cerevisiae nutritive value, nutrients supplements 7604. rastewater treatment ponds, symbiosis, algae, bacteria 2605. wastewater treatment ponds, symbiosis, algae, bacteria 2605.

Population levels,
bacteria, population ecology, activated sludge 4439.
cell numbers, viability, population ecology, bacteria, activated sludge 4440.
fungi species composition, leaf litter, forests, tropical environment 1443.
soil microorganisms, human impact trampling, forests 4133.
soil microorganisms, leaf litter decomposition, forests 5855.
soil microorganisms, slash and burn 9622.

Population structure.

Population structure, and program polyhedrolei virius affects on pact control. Idelicibilis. extracellular, carbohydrate composition, Streptococcus mutans, Streptococcus sanguis 8326.

extracellular polymers, Agrobacterium tumefaciens, Agrobacterium radiobacter, structure 9198.

extracellular polymers, biosynthesis, Methylococcus 9189.

extracellular polymers, production, Alcaligenes faecalis var.myxogenes 3712.

extracellular polymers, Pritzobium mellioti, characterization 9193.

Haemophilus influenzae, capsules, carbohydrate composition, N.M.R. 7438.

Haemophilus influenzae, cattle serum albumin conjugate, hydrodynamics, light scattering 978.

Hyphomicrobium, extracellular polymers, Carbohydrate composition 3710. Heliothis zea nuclear polyhedrosis virus effects on, pest control. Heliothis reamopnius imuenzae, catrie serum albumini conjugate, hydrodynamics, light scattering 978.

Hyphomicrobium, stracellular polymers, carbohydrate composition 3710. in vitro biosynthesis, phytotoxicity, Colletotrichum trifolii 353.

Klebsiella capsules, structure 9197.

Leptospira cell walls, ultrastructure 8300.

Microellobaspona grisea, preparation, characterization, antitumor activity 8346.

Microellobaspona grisea, anthumor activity 470.

Microellobaspona grisea, anthumor activity 470.

Microellobaspona grisea, anthumor activity 160.

Microellobaspona grisea, carbohydrate composition, antitumor activity, Ehrlich ascites tumor, rats 6366.

Microellobaspona grisea, uncomor activity 470.

Neisseria meningitidis capsules, structure 4701.

Pseudomonas elodes, rheology, conformation 6581.

Pseudomonas, extracellular, companison gelis 980.

Rhuzobium mellioti, radioassays 3589.

Rhuzobium, structure 4704.

Salmonella anstum, enzymatic synthesis 8331. Phytophthora infection, Theobroma cacao, Hevea brasiliensis, Mangifera indica Population studies, antibiotic resistance, Escherichia coli, Enterobacter cloacae 629. bacteria, biothims, wastewater treatment 5300. soil microorganisms, forests, spatial distribution, Tricholomopsis platyphylla 1445. Populations,
Corynobacterium, soil pH effects on, relationship, Fusarium oxysporum f.sp.apii,
yellows, Apium graveolens var.dulce 5748.
soil microorganisms, N-(phosphonomethyl) glycine effects on 620. Populus, biomass, silviculture, mixed culture, interaction Alnus rubra, nodulation, nitrogen fixation 9512. endomycorrhizas association, incidence, USA, Iowa 5851 exudates, yeasts isolation, identification, host specificity, population dynamics 295.

295.

solates, potyvirus infection, plants, pathogenicity 316.
leaf rust, Metampsora medusae, photoperiod, effects on, pathogenesis 6930.
leaves culture, Populus growth, benzimidazole effects on 6880.
lignin, fungi, biodegradation 6652.
Marssonina brunnea infection, pathogenesis 549.

rust, epidemiology, Canada 4170.

Populus alba, Salini olici a l'auti, in l'aryllia de s'intressa dostri, immunochemistry 7439. Side chains, Yersinia pseudotuberculosis lipopolysaccharides, structure 6568. O-specific, Serratia marcescens, structure 4702. Sporothrix schenckii, structure 1782.
Streptococcus group B, anti immunoglobulin G, enzyme-linked immunosorbent assay

Polysaccharides, (continued)

Streptococcus pneumoniae capsules, structure 6579. Streptococcus pneumoniae capsules, structure 9195.

endomycorrhizas association, incidence, USA, Iowa 5851.

Streptococcus group B, isolation, chemical composition 8334.

Populus deltoides, infection, Melampsora medusae races, sensitivity, light intensity, temperature

6917. leaf rust. Melampsora medusae, temperature, role, disease resistance 6911. Melampsora medusae infection, isolates temperature tolerance 2206. Populus euramericane, leaf rust, Melampsora medusae, temperature, role, disease resistance 6911. Populus grandidentata, endomycorrhizas association, incidence, USA, lowa 5851.

endomycorrhizas association, incidence, USA, Iowa 5851.

Populus maximowiczli,
histopathology, stem canker, Cytospora chrysospera 9520.

Populus maximowiczii,
histopathology, stem canker, Cytospora chrysospera 9520.

Populus tremuloides,
canker, Hypoxylon mammatum 1464.
hydrolysates, use, Pachysolen tannophilus, ethanol production 8411.
Hypoxylon mammatum infection, association, Magicicada septendecim wounds 8658.
leaf littler, funcil hydrogradation 8045.

leaf litter, fungi, biodegradation 8045
Populus trichocarpa,
Pseudomonas avinosa infection, ass seudomonas syringae infection, association, frost, symptoms 4173.

Porta post-harvest decay, Hevea brasiliensis cellulose, lignins, Malaysia 7791.

Poria cocos, polysaccharides, antitumor activity 7446.

Porla medulla-pania, sap rot, wood decay, oxygen, carbon dioxide effects on 5084

lignocellulose biodegradation, comparison, softwoods 170.

ingincientuse biologialadinin, cumparison, sorwoods 170. wood decay 3177. wood decay assays, pick test 4182. wood, decay, indicators, compression pressure tolerance, Pseudotsuga menziesii

low molecular weight metabolites, taxonomic significance, evolution 5461.

cell membranes, Escherichia coli, Salmonella typhimurium, β-lactam antibiotics diffusion 718.

Escherichia coli, membrane permeability, role antibiotic resistance, β-lactam antibiotics 1542.

X-ray diffraction, Escherichia coli 6380.

bacteria, food contamination, cooking, krtchens 232. bacteria, food contamination, temperature effects on 241. food contamination, Clostridium perfringens, Staphylococcus aureus, cooking, kitchens 1066.

gases composition, storage, Lactobacillus, spoilage 5639, sausages, Salmonella food contamination 179.

gases composition, storage, Lactobacillus, spoilage 5639. sausages, Salmonella food contamination 179.

Portulaca oleraces, association Hydrangea macrophylla, tomato spotted wilt virus detection 5016. black stem, Dichotomophthora portulacae 9427.

Post-harvest decay, antifungal agents fumigants, disease control, Pseudotsuga menziesii wood 1468. apples, cold storage effects on scab pathogenesis 3105.

Aspergillus, Penicillium, com, genetic analysis 9451. bacteria, fungi, etiology, Manihot esculenta 3102. bagasse, fungi, storage time effects on 5030. bananas, fungi diseases 1328.

barley, storage, long-term effects, microorganisms 1321. bluebernes, Alternaria, Botrytis, moisture effects on 5032. bluebernes, Alternaria, Botrytis, moisture effects on 5032. bluebernes, fungi, control, use, benomyl-f-guazatine 6835.

Clostridium, Erwinia carotovora subep, acrotovora, Erwinia carotovora subsp, atroseptica, potatoes 2235.

Colletotrichum gloeosporiorides, antifungal activity, 1-cetoxy-2-hydroxy-4-oxc-heneicosa-12,15-diene, Persea americana 2471. com, fungi, bacteria, suffur dioxide effects on 6366. com, fungi, burgicides prevention, seeds vability, 5029. com, fungi, burgicides prevention, seeds vability, 5029. com, fungi, disease-control, fruits 1327. fungi, disease-control, fungicides cantaloupes 1399. fungi, effivients 6104. fungicides, control, botryodiplodia theobromae rot, bananas 5804.

fungi, ethylene, effects on, growth 8794.
fungi, kiwifruit 3104.
fungi, ciwifruit 3104.
fungi, prunes 5801.
fungicides, control, Botryodipiodia theobromae rot, bananas 5804.
Gliocladium roseum, Sclerotium roffsii, Aspergilius niger, apples, pears, peaches, pathogenesis, amino acids, levels 1324.
Gramineae, food contamination, fungi 2236.
grapes, Botrytis cinerea, sulfur dioxide fumigation, packaging, temperature effects on 2905.
guavas, disease control, benomyl, guazatine 6832.
Hevea brasiliensis, cellulose, lignins, decay fungi, Malaysia 7791.
iprodione disease control, peaches 4129.
kiwifruit, fungi contamination, USA, California 5031.
lemons, sour rot, disease control, CGA-64251 1322.
Lycopersicon esculentum, Erwinia carotovora subsp.carotovora, temperature, suspensions depth effects on 838.
Malus domestica, adalomenta latent infection role 6834.
onges, green mold, antitugal activity comparison, thiabendazole, sodium ortrages, Penicillium digitatum green mold, imazalil treatment 9452.
pears, surfactants, antifungal activity 1323.
Penicillium sepansum, calcium chioride, disease control, apples 5798.
Penicillium sepansum, calcium chioride, disease control, oranges 4908.
Phytophthora citrophthora, brown rot, disease control, metalaxyl, fruits 1419.
Phytophthora citrophthora, brown rot, disease control, metalaxyl, fruits 1419.
Prunus amygdalis, fungal flora, seed composition, water activity, refects on 5803.

Pseudomonas marginalis soft rot, tomatoes, storage conditions 9453. resistance, citrus, Peniciliium digitatum wound infection 5802. Rhizoctonia, Cylindrocladium pteridis, Cylindrocladium heptaseptatum, pathogenicity, symptoms, Rumohra adiantiformis 1326. Rhizopus nigricans, tomatoes, γ radiation+heat treatments+chemicals control 2337.

Saccharum officinarum fermentation, microorganisms 439. Sesamum indicum seeds, Aspergillus niger, Alternaria alternata, proteins levels

Post-harvest decay, (continued)

soft rot, Erwinia carotovora, pectinolytic enzymes, oxygen effects on, potatoes 5033

Solanum tuberosum, storage effects on disease resistance, Erwinia chrysanthemi

7721.

storage, Phoma exigua, Carica fruits 7719.

storage, Phoma exigua, Carica fruits 7719.

storad products, sorghum, fungi, effects on growth Insecta 5799.

thermophilic fungi, Theothorma cacab beans fermentation 8601.

thermophilic fungi, tobacco leaves, association storage 8599.

Trichoderim harzianum, storage, applies 8602.

Trichothecium roseum, rof, potatoes 1325.

Vantura inaequalisi infection, apples, factors affecting 437, wheat, fungi, factors affecting 4954.

wheat, preservatives anfitungal activity 441,

yams, Bottyodiploidia theobroma, spores, vectors, Mus musculus domesticus,

Periplaneta americana, Zonecerus varigatus 442.

Postoperative Infection,

man, bactera, prophivasis, laminar air flow 3497.

man, bacteria, prophjaxis, laminar air flow 3497. prophylaxis, benzalkonium chloride+oxacillin binding, heart prosthetics, dogs 5343

Potassium

aspartate kinase activation, Escherichia coli 6536. effects on Oryza sativa, susceptibility, leaf blight, Xanthomonas campestris

pv.oryzae 6750. fertilizers content, effects on Phytophthora nicotianae var.parasitica buckeye

remitters content, effects on Phytoponthor's nicotianae var.parasitica bu roft, Lycoperiscon esculentum 9445. nutrient sources, Azotobacter, soil 7823. nutrient status, mycorribuss, seasonal variations, Gramineae 1490. nutrition, effects on Triticum yield 371. release, Candida, Imidazoles effects on plasma membranes 6061. soil ferbitty, relationship Laetisaria fuciformis infection, Lolium perenne 9357.

Potassium bromide,

inactivation, glucosephosphate isomerase, Streptomyces phaeochromogenus 6512. Potassium carbonate,

Aedes aegypti larvae, effects on biological control, Bacillus thuringiensis crystals 4717.

Potassium chloride,

± sodium chloride, cheddar cheese ripening, Staphylococcus aureus, growth, enterotoxins biosynthesis 2037.

referotoxins biosynthesis 2037.

Potasaium dichromate,
use, measuring techniques, microorganisms biomass oxidation 6287.

Potasaium hydroxide,
Gram stain reaction, methodology, identification, gram-negative bacilli,
gram-positive bacilli 9972.

Potasaium permanganate,
effects on vescular-arbuscular mycorrhizas symbiosis 8671.

use, Mena coniospora fixation, conidia germination 4519.

Potassium phosphate,
effects on, disease resistance, powdery mildew, Erysiphe graminis, Triticum
aestivum, Hordeum vulgare 378.

asstivum, Hordeum vulgare 378.

Potasalum sorbate,
+ acidity, effects on heat inactivation, yeasts, fruit juices 5636,
antibacterial activity, Salmonella typhimurium, poultry 2035.

benomyl, disease control, fruit rot, Ficus canca 1396.
effects on Clostridium botulinum growth, cured products, meat 3857.
+ Lactobacillus lactis, inhibition growth, psychrotrophic bacteria, milk 7579.
resistance, Penicillium, cheese isolates 659.
use, Salmonella growth inhibition, meat products 3838.
yeasts sensitivity 7093.
Potasalum thlocyanate,
Inactivation, glucosephosphale isomerase, Streptomyces phaeochromogen

Potato leaf roll virus,

'otato leaf roll virus, antigenic characteristics, infectivity, refrigeration, freezing effects on, Solanum tuberosum 9422. Aphididae disease transmission. Solanum tuberosum, USA 6814. detection, enzyme-linked immunos

disease transmission. Aphididae, feeding behavior, permethrin, deltamethrin effects on 8526.
disease transmission, Myzus persicae, storage conditions, potatoes 7720. incidence, Solanum tuberosum tubers, USA 1245. infection, Nicotana tabacum, protoplasts, actinomycin D, effects on 7701. infection, 2.4-dioxofexalydro-1,3,5-tralzine+guanidine antiviral activity, Solanum tuberosum 6866 inoculation, time, effects on, pathogenesis, Solanum tuberosum 3084. isolation methodology, reviews 8100.
Myzus persicae disease transmission, leaves age, Solanum tuberosum 2182. Potato applied tuber viroid, disease spread, callus, Chrysanthenum, Lycopersicon esculentum 5793. double-stranded RNA, infected Lycopersicon esculentum leaves 3044. infection, Solanum tuberosum, epidemiology, Australia 5781. nucleic acide, extraction methodology, gel electrophoresis 8101. structure, physicochemical properties, role, plant diseases, reviews 8529. Potato virus,

structure, physicochemical properties, role, plant diseases, reviews 8529.

Potato Virus,
etiology, Solanum, purification, characterization 3071.

Potato Virus A,
antigenic characteristics, infectivity, refrigeration, freezing effects on,
Solanum tuberosum 9422.
mixed infection, detection, use, Physalis angulata lesions methodology 2157.
preservation, freeze-drying, dehydration, infectivity 2653.

Potato Virus M,

olato virus m., disease resistance, hybrids, Solanum gourlayi× Solanum tuberosum 2247. disease spread, Aphididae, Solanum tuberosum 2181. disease spread, callus, Chrysanthenum, Lycopersicon esculentum 5793. levels, leaves, tubers, Solanum tuberosum 7693.

preservation, freeze-drying, dehydration, infectivity 2653, purification, methodology 3537.

Poultry, (continued) preservatives, polassium sorbate, butylhydroxyanisole, antibacterial activity, Salmonella typhimunum 2035. antigenic characteristics, infectivity, refrigeration, freezing effects on, Salmonella typhimunum 2035.
processing, airborne microorganisms, association, chickens feces 1727.
Salmonella control, radiation treatment, reviews 8481.
sausages, starter cultures, Pencillum 3814.
spoilage, packaging, cold storage 4881.
Spoilage, packaging, cold storage 4881.
Povidone-lodine,
medient, bacterinia, gingiva, man 815.
Paciller sphaericus, production, bacterinia, production. anggenic characteristusts, intecuring, reingerators, meeting Solanum tuberosum 94:22 Aphididae disease transmission, Solanum tuberosum 2181. disease spread, Aphididae, Solanum tuberosum 2181. infection, disease spread, detection, solanum tuberosum 2581. difection, disease spread, detection, solanum tuberosum 2581. intection, +ring rot, effects on Solanum tuberosum, yield 1230.
infection, Solanum tuberosum, Canada 4017.
infection, Solanum tuberosum, detection, use, enzyme-linked immunosorbent assay Bacillus sphaericus, production, biological control, Insecta 1023. 1242: 1440: purification, methodology 3537. strains, isolation, North America, Aphididae disease transmission, association, Chenopodium quinoa 6829. Powdery mildew, Anacardium occidentale, Oidium anacardii infection, pathogenesis 421.
Begonia, factors affecting 401. Potato virus T, transmission (seed), Solanum tuberosum, symptoms 406. Potato virus X, antigenic characteristics, infectivity, refrigeration, freezing effects on, Begonia, fungicides foliar applications, antifungal activity 1393. Beta vulgaris 2217. Beta vulgans 2217.
Botryts cinerea, propiconazole effects on, Uncinula necator 4102.
control, Rosa, fungicides 5044.
Cucumis stem blight epidemiology, relationship 1248.
disease control, benomyl, Vigna radiata 1433.
disease control, breenhouses plants, ectaconazole treatment 5004.
disease control, Hordeum vulgare, yield, models 7671.
disease resistance, Hordeum vulgare varieties, mechanisms 4089.
disease resistance, plant breeding, Zinna elegans × Zinnia angustfolia interspecific hybridization 7729.
effects on photosynthesis: translocation. Hordeum vulnare, 3031. **Potato virus X, antigenic characteristics, infectivity, refrigeration, freezing effects on, Solanum luberosum 9422.
**Solanum luberosum 9422.
**Aphididae disease transmission, Solanum luberosum, USA 6814, disease certifori, floavini, 5-ezadihydrouracil, disease resistance 2271.
diseases resistance genes, Solanum luberosum, USA 6814, disease certifori, floavini, 1-ezadihydrouracil, disease resistance 2271.
disease resistance genes, Solanum luberosum 2162.
disease spread, Aphididae, Solanum luberosum 2181.
distribution, association, infection, weeds 1244, eradication, Solanum luberosum, cultivars, use, ribavirin 1239.
infection, Capsicum annuum 7699.
infection, Capsicum annuum 7699.
infection, effects on nucleic acids metabolism, Solanum luberosum 2187.
infection, effects on nucleic acids metabolism, Solanum luberosum 2186.
infection, Nicoriana tabacum, inclusion bodies, induction, structure 1238.
infection, indivinin, treatment, Solanum luberosum, yield 1230.
infection, Joinnum luberosum cultivars, incidence 9409.
infection, Solanum luberosum, defection, use, erzyme-linked immunosorbent assay 1242. interspecific hybridization 7729 effects on photosynthesis; translocation, Hordeum vulgare 3931. Erysiphe cichoracearum, disease resistance, Helianthus 1278. Erysiphe graminis, calcium intrate, potassium phosphate, effects on, disease resistance, Tribcum aestivum, Hordeum vulgare 378. Erysiphe graminis, disease resistance, genetic analysis, Hordeum 8627. Erysiphe graminis, disease resistance, genetic analysis, Hordeum 8627. Erysiphe graminis, Hordeum, disease resistance, genetic analysis 471. Erysiphe graminis, Shading, effects on Gramineae senescence 3956. Erysiphe graminis f.sp.hordei, disease resistance, seterase, proteinis, Hordeum vulgare 4060. Erysiphe graminis f.sp.hordei, disease resistance, esterase, proteins, Hordeum vulgare 4060. Erysiphe graminis f.sp.hordei, disease resistance induction. Erysiphe graminis f.sp.hordei. vulgare 4060. Erysphe grammis f.sp.hordei, disease resistance induction, Erysiphe graminis f.sp.hordei incompatibility races, Hordeum vulgare 1382. Erysphe graminis f.sp.hordei, penetration, coleoptilie, Hordeum vulgare 3947. Erysiphe graminis f.sp.hordei, translocation, roots growth, water stress, Hordeum vulgare 3935. Erysiphe graminis f.sp.hordei, virulence gene frequency, Hordeum vulgare 5041. Erysiphe graminis f.sp.hordei, virulence selection, disease resistance genes, Hordeum vulgare 8500. Erysiphe graminis f.sp.tritici, disease resistance, Triticum aestivum 263. Erysiphe graminis f.sp.tritici, mutants, virulence, genetic analysis, Triticum aestivum 356. Erysiphe graminis f.sp.tritici, Triticum aestivum disease resistance inheritance. Solanum tuberosum, eradication, heat treatments, menstern tip culture use 2155.
infection, 2,4-dioxohexahydro-1,3,5-triazine+guanidine antiviral activity,
Nicotiana tabacum 6886. Nicotiana tabacum 6886.
multiplication, inhibition ribonuclease leaves, plants 2095.
**Otato virus Y,
antigenic characteristics, infectivity, refrigeration, freezing effects on,
Solanum tuberosum 9422.
**Aphididae disease transmission, Solanum tuberosum, USA 6814.
disease control, deltamethrin, disease transmission, Myzus persicae, Beta
vulgaris 467.
disease spraed, Aphididae, Solanum tuberosum 2181.
disease transmission, alarm pheromone derivatives effects on, Myzus persicae
3108. Erysiphe graminis f.sp.tritici, Triticum aestivum, disease resistance inheritance 9464. 9464.
Erysiphe graminis, Triticum, Hordeum, treatment, drug resistance 2126.
Erysiphe poligoni, disease resistance, Lupinus 9467.
Erysiphe polygoni, disease control, fungicides, coriandrum sativum 493.
Erysiphe polygoni, disease resistance, genetic analysis, Beta vulgaris 4096.
Erysiphe polygoni, pathogenicity, Brassica napus mixtures effects on 4043.
Erysiphe polygoni, sulfur foliar applications, disease control. Beta vulgaris 5823. 3108.

disease transmission, vectors, Aphididae 9400.
incidence, Solanum tuberosum tubers, USA 1245.
infection, Capacicum annuum 7699.
infection, Lycopersicon esculentum, Jordan 6793.
infection, Uctobrana tabacum association, disease resistance, Meloidogyne incognita 9433.
infection, Nicotiana tabacum, epidemiology 4046.
infection, Nicotiana tabacum, relationship disease resistance, Meloidogyne incognita 9432.
infection, Solanum tuberosum, disease spread, control, use, minerals oils sprays 1343. Eryisiphe polygoni, sulfur Toliar applications, disease control, Beta vulgaris 5823.
fungicides disease control, Hordeum vulgare 9489.
fungicides resistance, measuring techniques, Cucumis sativus 7888.
Hordeum, disease resistance 482.
Hordeum, disease resistance 482.
Hordeum vulgare disease resistance association leaves developmental stages 483.
Hordeum vulgare disease resistance, association, age, growth rate, carbohydrate composition, amino acid composition 6857.
Hordeum vulgare, simulations, Eryisiphe citons, Eryisiphe citons, Eryisiphe citonacearum, epidemiology 8536.
Hordeum vulgare, simulations, Eryisiphe citonacearum, epidemiology 8536.
Leveillula taurica, pathology, Cucumis sativus 5776.
malus, disease control 413.
Malus domestica, temperature effects on buds 1211.
Microsphaera diffusa, Glycine max, USA, Delaware 4934.
Nicotiana diseases resistance, plant breeding 1339.
Fisum sativum, arthrugal agenits, disease control, Eryisiphe polygon 8537.
Fisum sativum, arthrugal agenits, disease control, Eryisiphe polygon 8537.
Podosphaera leucotriche, disease resistance, Melius 7739.
Podosphaera leucotriche, disease resistance, Melius 7739.
Podosphaera leucotriche, Malus pumila, dormancy, fungicides treatment 1398.
Ribes nigrum, disease resistance, Sphaerotheca mors-cuvae 7748.
Sphaerotheca fuligimea, biological control, Ampelomyces quisqualis 1243.

1243.

1243.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

1346.

13 1243 eneus on 5u33.
processing, sterilization, packaging 4801.
rot, effects on fermentation 8413.
spoilage, psychrophilic bacteria, vacuum packaging, nitrogen packaging 4883, storage conditions, potato leaf roll virus disease transmission, Myzus persicae 7720. Ribes nigrum, disease resistance, Sphaerotheca mors-uvae 7748. Sphaerotheca tuligimea, biological control. Ampelomyces quisquais hyperparasitism, Cucumis sativus 2275. Sphaerotheca tuliginea, Cucumis sativus 2275. Sphaerotheca tuliginea, Cucumis sativus, 275. Sphaerotheca macularis, antifungal agents, disease control, Rubus idaeus 487. Sphaerotheca macularis, Fragaria 5007. Sphaerotheca pannosa var rosae, disease control, Rosa 9385. survival, reproduction, Hordeum infection 358. Triticum activum, disease control, tradimerton 1422. Vitis vinifera, Cucumis sativus, Triticum, disease resistance, cultural conditions 2250. Potexvirus, mosaic disease, Crotalaria spectabilis 4981 Potyvirus, infection, plants, pathogenicity, Populus isolates 316. mosaic disease, Bambusa arundinacea 5705. intecuon, piana, parrogenizary, regions isonates of the mosaic disease, Bambusa arrundinacoa 5705.

Poultry,
animal isolates, Escherichia coli, drug resistance, antibiotic resistance 1535
bacteria contamination, counting methods, factors affecting 190.
bacteria, food contamination, Salmonella serotypes 8485.
coliforms isolates, antibiotic resistance 7030.
cooked, food contamination, Salmonella 4807.
food contamination, Campylobacter fetus subsp.jetuni, incidence 3840.
food contamination, Campylobacter fetus subsp.jetuni, incidence 3840.
food contamination, Salmonella 4807.
food contamination, Salmonella, Campylobacter fetus subsp.jetuni, incidence 3840.
food contamination, Salmonella, Campylobacter fetus subsp.jetuni, incidence 3840.
food contamination, Salmonella, Campylobacter fetus subsp.jetuni 5605.
isolation, Campylobacter fetus subsp.jetuni 5605.
isolation, Campylobacter fetus subsp.jetuni, media (enrichment), temperature, bme, pH, effects on 8141.
isolation, Versinia enteriocolitica, media (enrichment) 3566.
Micrococcus isolation, radioresistance, environmental effects 202.
preservation, refrigeration 3859. conditions 2250.

Pratylenchus,
Invasion inhibition, Thielawiopsis basicola infection role, Pisum sativum 9333.

Pratylenchus penetrans,
Infection, Pinus radiata, pathogenesis, Australia 8654,
Interspecific interactions, Fusarium oxysporum f.sp.pisi, wilt, Pisum sativum
1133. Precipitation, effects on nodulation, nitrogen fixation, Glycine max 6999. Precursors, n-dodecane, dodecanedioic acid biosynthesis, Candida tropicalis 14. Predation,
Cephaliophora navicularis sp.nov., Adineta, soil 9545.

Predator-prey interactions,
Panagrellus redivivus, nematophagous fungi 9550.
Tetrahymena pyriformis, Escherichia coli, attachment, continuous culture 2673.

Predatory behavior, Ensiter adhaerens, soil, characterization, use, phages, monitoring 5090. Prednisolone-17_{ca-a}cetate,

hydrocortisone- 17α -acetate conversion, Flavobacterium dehydrogenans 5529 **Pregnenolone triacetate**,

conversion hydrocortisone-17α-acetate, Flavobacterium dehydrogenans, Curvularia lunata 5529.

Prephenate dehydrogenase, localization, chorismate mutase sites, Escherichia coli 5487.

Preservation, bacteria, urine, methodology 3618.

batteria, unine, memboorbyy 3010.
C-type virus infectivity, freeze-drying 1745.
cold storage food, association lactic acid bacteria 260.
feeds, propionic acid, antifungal activity, fungi, growth, monitoring 1086.
fish products, Wellemia sebi biodegradation 2045.

isobutyric acid, feeds 5625.
meat products, sorbates, reviews 4873

meat products, sorbates, reviews 4873.
microorganisms, culture collections 5363.
potato virus Y, potato virus M, potato virus A, freeze-drying, dehydration, infectivity 2653.
poutitry, refrigeration 3859.
propionic acid, sisobutyric acid, spoliage fungi 5626.
propionic acid, sisiage 7601.
spoliage, mycotoxins contamination, fungi, corn 5643.

Preservatives.

reservatives, acetic acid, sodium chloride, essential oils, antimicrobial activity 706, antifungal activity, wheat post-harvest decay 441, antifungal activity, cometics 7965, association, fruit juices, yeasts heat inactivation 2039, casicultion, fruit juices, yeasts heat inactivation 2039, casicultion, fruit juices, yeasts heat inactivation 2039, casciation, fruit juices, yeasts heat inactivation 2039, activity, analysis activity, antifungal activity, 4320.

EDTA, Iyaszyme, seafood 2934. EDTA, Iyaszyme, seafood 2934. food contamination, Clostridium botulinum toxins 7637. food, effects on, Staphylococcus aureus, survival 6683. food, glycine 271.

lood, gyrcine 271.
hydrogen peroxide, antifungal activity, Candida, contact lenses 709.
inhibition, trimethylamine-N-oxide reductase, Escherichia coli 269.
lauricidin, food contamination, spoilage, meat products 270.
meat products, effects on Staphylococcus aureus thermal injury, recovery 264.
potassium sorbate, butyhnydroxyanisole, antibacterial activity, Salmonella
typhimurium, poultry 2035.

syphilination, pointy 2007.

Whitmerosal, nose sprays, Pseudomonas cepacia survival 7118.

use, bacteria biodeterioration, industries, conferences 4755.

wood, soil microorganisms biodegradation, land disposal, reviews 5985.

Pressure,
activlene, effects on nitrification, soil 617.
isolation, Bacillus spores 5417.
oxygen, ethanol biosynthesis, Candida utilis growth, fermenters 138.
tablets, effects on microorganisms, contamination 3459.
wastewater treatment, films, effects on filters 4443.
Primaculine,
acetylation, Streptomyces rimosus, Streptomyces roseochromogenus 7458.
Primary production,
pumpkin mosaic virus, effects on, Cucurbita maxima 2196.
Vigna sinensis, cowpea mosaic virus infection effects on 7649.
Prinus persica,
pathology, fruit rot, Phomopsis mali 2145.
Pristane.

Pristane, conversion pristanol, Nocardia 5994, metabolism characterization, Nocardia, pristanol biosynthesis 4720.

antibacterial activity 8012.

Probes,
biomass measuring techniques, fungi, penicillin fermentation 9085.
X radiation, diagnosis methodology, salmonellosis, antibodies labelling 1799.
Procalne,
antibacterial activity, Escherichia coli 6051.

Prochloraz,
disease control, dry bubble disease, Verticillium fungicola, wet bubble disease,
Myoogone permiciosa, cobweb disease, Hypomyces rosellus, Basidiomycetes 6824.
Procymidone,
disease control, fungi infection, Agrancose, stem rot 6833.
Procymidone,
disease control, fungi infection, Prunus persica procymidone,
disease control, fungi infection, Prunus persica, disease, control, ingresi material activity, benzoyl peroxide 7064.

antibacterial activity, benzoyl peroxide 7064.

antibacterial activity, benzoyl peroxide 7064.

antibacterial activity, benzoyl peroxide 7064.

clinical isolates, anchibiotic resistance 8736.

clinical isolates, antibiotic sensitivity testing 3381.

clinical isolates, anchibiotic resistance 8736.

clinical isolates, antibiotic sensitivity testing 3381.

clinical isolates, antibiotic resistance 8736.

cli

Progesterone, hydroxylation, immobilized cells, Rhizopus stolonifer 4541. Prognosie, Dutch elm disease, microorganisms, Ulmus glabra, Scolytu

Dutch elim disease, microorganisms, Ulmus glabra, Scolytus vectors 1453.

Prohistidine decarboxylase, conversion histidine decarboxylase, peptides bonds cleavage, Lactobacillus 4595.

biosynthesis, Bacillus subtilis, immobilized cells 4582.

Proliferation disease, mycoplasma-like organisms, Malus, tetracycline treatment 3023.

Proline, hydroxylation, mutants, Streptomyces griseoviridus, viridogrisein analogs

production 8911. aves, Oryza sativa, induction, rice tungro virus infection 1157.

Proline dehydrogenase, +1-pyrroline-5-carboxylate dehydrogenase purification, characterization, Pseudomonas aeruginosa 1908. Promethazine,

antibacterial activity 8753

Prometryne.

Fusarium oxysporum, roots exudates, effects on rhizosphere microorganisms, population density 8706.

Promoters.

Escherichia coli lacZ gene, rifampicin effects on gene expression 1626.

TUSION: Economic Tropachior, Propachior, effects on soil microorganisms association Glycine max 7862. metabolism, intestinal microflora, 2-mercapto-N-isopropylacetanilide production

Propamocarb, disease control, Pseudoperonospora humuli, downy mildew, Humulus lupulus 1403. use, ornamental plants disease control 5056.

ropatine, assimilation, Rhodococcus rhodochrous 628, gas production, soil microorganisms, soil moisture, nitrate effects on, anaerobic conditions 9567.

production, anaerobic bacteria, cattle feces fermentation 5138.

Propanol, effects on Serratia marcescens endonuclease activity, growth 2460, requirements, erythromycin production, Streptomyces erythraeus 6171.

Propanol,
 + chlorhexidine, antibacterial activity 5355.
 fermentation, Clostridium beijerinckii immobilized cells 4737.

Propham,

inhibition, soil microorganisms growth 3249.

+ medinoterbacetate, effects on soil microorganisms, nitrogen cycle, cellulose decomposition 7012.

Prophylaxis,

bacteria dental disorders, children 811. bacteria dental disorders, man 809. bacteria periodontal diseases, oral hygiene, man 1733. dental disorders, fluoride dentifrices, bacteria 812.

Propiconazol, use, omamental plants disease control 5056

use, ornamental plants disease control subo-propionazole, antifungal activity, fungi, staggers, Lolium 2481. Botrytis cinerea powdery mildew, effects on, Uncinula necator 4102. disease control, Cladosporium caryigenum scab, foliar application, Carya ilinoiensis 9496.

treatment timing, Rhynchosporium secalis leaf blotch, Hordeum, disease control

Propineb,

disease control, leafspot, Apium graveolens 4098. Propionate,

pathway, biodegradation, methanogenic bacteria, mixed culture 4748.

Proplonibacterium,
clinical isolates, acne, antibiotic resistance 8736.

compound U-57930E antibacterial activity 4379.

compound 0-0/90/ce antibactered activity 4/37/continuous culture, pH effects on, biomass, growth rate, extracellular enzymes production 7312. cyanocobalamin biosynthesis, 5,6-dimethylbenzimidazole effects on 8388. immobilized cells, thiamin production 4/25. +Lactobacillus, mixed culture, growth 2917. media (selective) 3598 medical dressigns contamination 80/73.

medical dressings contamination 8073. oral cavity isolates, antibacterial activity, metronidazole+spiramycin tablets 8864

8864
peptidoglycans structure 7442.
Proplonibacterium acnes,
antibacterial activity, Actinoplanes philippinensis isohematinic acid 8903.
antibacterial activity, benzoyl peroxide 7064.
antibacterial activity, miconazole+imidazole derivatives antibiotic synergism
5182.

Propionic acid, antifungal activity, feeds preservation, fungi, growth, monitoring 1086. antifungal activity, wheat post-harvest decay 441. metabolism, kinetics, bacteria, digestion (anaerobic) 8944. preservation, sivilage 7601. preservation, soliage fungi, corn 5626. +8-quinolinoi treatment, feeds preservation, fungi biodegradation 5630. treatment, Aspergillus flavus-parasiticus infection, Avena, aflatoxins biosynthesis 311. Zea mays, fungi infection, effects on growth 6746. Proplonic acid bacteria, activity relationship, milk trace elements 8477. β-Proplonolactone, indirect fluorescent antibody test, Lassa fever virus, Marburg disease virus, Ebola virus 3534.

Propolis, + antibiotics, antibacterial activity, Staphylococcus aureus 6058. role, Aspergillus sulphureus inhibition, growth, ochratoxin A biosynthesis 9289.

roteinase, (continued)
Aspergillus nidulans, inhibitoris isolation 2812.
Aspergillus nidulans, inhibitoris isolation 2812.
Aspergillus nidulans, purification, characterization 6525.
Aspergillus sojae, gelalin hydrolysis, carbon sources, nitrogen sources 8309.
assays, 4-methylumbelifleryl esters substrate specificity analysis 5504
Bacillus subtilis, cheaturation kinetics 1881.
bactena, milk, spoilage, off flavor, milk 4815.
bactena, screening projects, bioassays 3599.
biosynthesis, Nocardia fructiferi, nitrogen sources, carbon sources, effects on 2590. Propyl gallate, antibacterial activity 7084. antimicrobial activity, Escherichia coli, Staphylococcus aureus, Candida albicans effects on Aspergillus, growth, aflatoxins biosynthesis 5646 Propylene, epoxidation, metabolism, Brevibacterium, Pseudomonas fluorescens, Nocardia 7462.
Propylene glycol, alginic acid, use, enzymes immobilization 6557.
conversion, pyruvic acid production, Acinetobacter 3652.
Prosopis glandulosa, introgen fixation, nitrogen fixation, nitrogen fixation, nitrogen fixation, nitrogen-fixing bacteria, deserts 3210.
Prostaglandin synthase, inhibitors, thielavin, structure, Thielavia terricola 7490.
Prostaglandins, endotoxins association, characterization, bacteria 8515.
inhibitor, vaccinia virus, replication, fibroblasts, cell culture 2485.
Prostatics. 2990 biosynthesis, Staphylococcus simulans, amino acids, cyclic AMP, effects on 2792. biosynthesis suppression, Bacillus megaterium, temperature role 7425, biosynthesis, Vibrio parahaemolyticus, growth rate correlation 1943. Botrytis cinerea. Colletotrichum atramentarium, Glomerella cingulata, fruit rot, Botrytis cinerea, Colletotrichum atramentarium, Glomerella cingulata, fruit rot, Lycopersicon esculentum 579. diffusion tests, Bacillus cereus, Clostndium botulinum 1935. extracellular encymes. Pseudomonas fluorescens, purification, characterization, thermal stability 4663. extracellular encymes. hydrolysis, physicochemical properties 95. extracellular encymes, hydrolysis, Streptomyces fradiae 6482. encymes, hydrolysis, Streptomyces fradiae 6482. encymes, hydrolysis, Streptomyces fradiae 6482. encymered freets on, influenza virus, protein biosynthesis 1583. inhibitors, influenza virus reproduction, antiviral activity 9886. inhibitors, influenza virus reproduction, antiviral activity 9886. inhibitors purification, Lycopersicon esculentum. Phytophthora infestans infection 5772. Lactobacillus bulgarisius. Prosthetics. Prosthetics, heart, benzalkonium chloride+oxacillin binding, postoperative infection prophylaxis, dogs 5343.

Protamine kinaes, purification, characterization, Physarum polycephalum 1903.

Protaminobacter ruber, carotenoids formation 6624.

carotenoids formation 6624.

carotenoids, purification, charactenzation 6621.

Protae cynaroides, leafspot, Pseudomonas syringae 6804. inflection 5 printication, cycoperation esculentum, Phytophinola infleatans inflection 5772.

Lactobacillus bulgaricus, effects on milk proteins 4796.

Latex agglutination, Chyptococcus amigens, effects on interference factors 9992.
lysis, microorganisms 1917.
lysis microorganisms 1917.
Microsporum canis, purification, characterization, Physarum flavicomum 9144.
Microsporum canis, purification, characterization, keratin degradation 7367.
Mucor mysilici, comparison, Bacillus Lichenformis mili-ciotting enzymes, biosynthesis, characterization, limmobilization 4613.
Mucor pusilius, purification, biological properties 35.
Mucor pusilius, purification, characterization 1874.
multiple forms, fractionation, Vibrio parahaemolyticus 59.
Nocardia fructifera, isolation characterization 9186.
production, Fusanium oxysporum, Rhizoctonia solani, Phoma exigua 3670.
Propionibacterium acnes, isolation, purification, characterication 6529.
Pseudomonas fluorescens, effects on milk 8310.
Pseudomonas fluorescens, effects on milk 8310.
Pseudomonas fluorescens, purification, immunochemistry, antigenic determinants 8291. Protesse,
penicillins antibacterial activity 5196. Protein, production, activated studge, prevenes, mounts
\$-100 Protein,
measuring techniques, enzyme immunoassay, labelling, Escherichia coli
B-D-galactosidase use, cerebrospinal fluid, man 857.
Protein A,
Pr oduction, activated sludge, breweries, industrial effluents 8932. + yold, catung, viruses antigens localization 1750.
staphylococcus, agglutination, assays, rotavirus 8105.
Staphylococcus aureus, solid phase methods, enzyme immunoassay, urine albumin 5397. Protein biosynthesis,
Avena sativa, crown rust, Puccinia coronata f.sp.avenae 3952.
Chaetomium cellulolyticum, biodegradation, cell walls, crop residues, Zea mays 8201 Pseudomonas, purification, physicochemical properties 3666. purification, Bacillus mesentenicus 951. purification, characterization, Candida albicans 7328. purification, characterization, Pseudomonas aeruginosa 7374. purification, characterization, Rhizopus chinensis 41. purification, characterization, Rhizopus chinensis 414. purification, characterization, Thermus caldophilus 6478. Rhizopus chinensis, pepstatin complex, X-ray diffraction 1904. role antibiotics biosynthesis, actinomycetes 7123. role, Streptomyces ginseus streptomycin biosynthesis 2557. rumen bacteria, structure-activity relationships 2793. Saccharomyces carisbergensis, immunoassays, beer 7322. Saccharomycopsis lipolytica extracellular enzymes, production, purification, characterization 3681. Saccharomycopsis lipolytica, mutants, production, characterization 1921. Pseudomonas, purification, physicochemical properties 3666. 8418 cytomegalovirus (human), antiviral activity, 9-(1,3-dihydroxy-2-propoxymethyl)guanine, cytomegalovirus (human), cell culture 9688.
encephaiomyocarditis virus infected ascites tumor cells,
N-phenyl-N'-3-hydroxyphenythiourea effects on 9684.
Escherichia coli, aminoglycoside antibiotics effects on 6094.
Escherichia coli, aminoglycoside antibiotics effects on 6994.
Escherichia coli, Bacillus subtilis, parabens, effects on 7120.
Escherichia coli, diauxie growth 8215.
Escherichia coli, inhibition, mecilimam+nocardicin A 2555.
Escherichia coli, inhibition, mecilimam+nocardicin A 2555.
Escherichia coli, pyrroline-5-carboxylate reductase, gene mapping, purification Eschenchia coli, pyrroline-5-carboxyliste reductase, gene mapping, purification 1830.
extracellular, Streptococcus equisimilis, temperature effects on 8214.
fungi mixed culture, whiskey distillenes wastes 15.
Glycine max, nodules, Rhizobium japonicum 7010.
herpes simplex virus 1 infected celle, 9-(2-hydroxyethoxymethyl)guanine effects on 3366. Saccharomycopsis lipolytica, mutants, production, characterization 1921, soil microorganisms, kinetics 2343. Streptomyces griseus, immobilized enzymes, probes, structure, lysozyme, casein 61
Streptomyces griseus, immobilized enzymes, stability, urea denaturation 63.
Thermoactinomyces vulgaris, activity, autolysis, thermal stability 2761.
Thermus aquaticus, biosynthesis 6514.
unfolding mechanisms, Bacillus thermoproteolyticus 4680.
Proteinase inhibitor,
N.M.R., amino acid composition, U.V. spectroscopy, Streptomyces nigrescens 7306. on 3366.

influenza virus, proteinase, inhibitiors, effects on 1583.
Penicillium janthineilum, use, straw 8211.
ribosomes, methanogenic bacteria, antibiotic sensitivity testing 2423.
sulfochloranthine effects on, Eschenchia coli 2456.
Thermoplasma, biochemical characteristics 9123.
2-thiouracil, effects on, tobacco mosaic virus 5220.
Trichodorma reesei, use, sugar beets industrial wastes, animals feeds 8493.
vesicular stomatitis virus, antiviral activity, interferon, inhibition 1575.

Protein composition.
Arachis hypogaea, Glomus fasciculatus effects on 6949.
association, temperature, yeasts feeds 1087
foams, Saccharomyces cerevisiae, fermentation, wine 3754.
leaves, Cucumis sativus, Vigna sinensis, disease resistance, tobacco necrosis virus 9460.
Mycopolasma capricolum 929. Proteins, roteina, acida solulitiy, electrophoresis, relationship, infection, viruses, fungi, Lycopersicon esculentum 2983. Anaplasma marginale, characterization, infected erythrocytes 6379. antibiotics, purification, characterization, Lactobacillus acidophilus 6207. Bacillus thuniquensis, detection, enzyme-linked immunosorbent assay 3561. bacteria, determination methodology, rumen fluids, cattle 5408. biosynthesis, Trypanosoma cruzi trypomastigotes, morphology, infectivity, Vero-cells 1824. Mycoplasma capricolum 929. C-type virus (mammalian), interspecific interactions, enzyme-linked immunosorbent outer membranes, Pseudomonas syringae pv.syringae, relationship plant diseases virulence 7307. assay 1760.

colostrum, cattle, Streptococcus lactis fermentation effects on 246.
Cucumis sattvus, hypersensitive response, tobacco necrosis virus 3113.
electrophoresis, microorganisms, taxonomy (numerical), computer programs 8091.
electrophoretic mobility. Haemophilus equigenitalis 6372.
esterase, Hordeum vulgare disease resistance, powdery mildew, Erysiphe graminis Virulence 73077
Pseudomonas aeruginosa outer membranes, association, polymyxin resistance 663.
Staphylococcus, methicillin antibiotic resistance 665.
Staphylococcus, methicillin antibiotic resistance 2407.
Staphylococcus, methicillin antibiotic resistance 2407.
Tobacco mosaic virus, actinomycin D antiviral activity, infection, Phaseolus viulgaris 6888. electrophorenc mobility, Haemophilus equigentais 6372.
esterase, Hordeum vulgare disease resistance, powdery mildew, Erysiphe graminis
f.sp. horder 4060.
Fusanum, fermented food 5611.
gel electrophoresis, Enwinia, strains 3582.
hypersensitive response, tobacco mosaic virus, Nicotiana tabacum 3081.
leaves, Phaseolus vulgaris, hypersensitive response, infection, Colletotrichum lindemuthianum, alfalfa mosaic virus, peanut stunt virus 1333.
Legionella pneumophila, characterization, electrophoresis 9128.
leavels, Sesamum indicum seeds, post-harvest decay, Aspergillus niger, Alternaria alternata 7717.
lipopolysacohandes complex, characterization, Verticillium dahliae, witt, Solanum tuberosum 1246.
metabolism, rumen microorganisms, cattle, formaldehyde effects on 4867.
metabolism, Triticum aestivum, role disease resistance, stem rust, Puccinia graminis fis hritici 4075.
milk, Lactobacillus bulgaricus proteinase effects on 4796.
milk products production, bacteria fermentation effects on 4805.
mikproducts production, bacteria fermentation effects on 4806.
mikproducts production, bacteria (slessae resistance, Helminthosporium maydis 8616.
Mycobacterium tuberoulosis, biosynthesis, characterization, association Triticum aestivum, Hordeum vulgare, association, infection, wheat streak mosaic virus, barley stripe mosaic virus 6779. Protein H1, biosynthesis, cations effects on, Pseudomonas aeruginosa envelopes, relationship, biosynmesis, cations effects on, Pseudomonas aeruginosa envelopes, relations antibiotic resistance 5158.
Protein kinase, cyclic AMP binding, kinetics, Mucor rouxii 6469.
phosphorylation fructose-bisphosphatase, cyclic AMP, fructose-2,6-diphosphate stimulation, AMP inhibition, yeasts 8283.
physicochemical properties, kinetics, Physarum polycephalum 6460. Protein kinase inhibitor, purification, characterization, Saccharomyces cerevisiae 6408 Proteinase, Acremonium chrysogenum biosynthesis, nitrogen sources, carbon sources effects on 6140.
activity analysis methodology, Legionella amino acids 7239.
activity, fungi, inhibitors, Bombyx mori 2751.
Aeromonas hydrophila, extracellular enzymes, purification, characterization 2764.
Aeromonas shydrophila, production, culture systems effects on 2805.
Aeromonas salmonicida, extracellular enzymes, purification 9171.
Aeromonas salmonicida, isolation, purification, characterization 6530.
Aspergillus awamori, immobilization, role, silanes 1860. maydis 8616.
Mycobacterium tuberculosis, biosynthesis, characterization, association tuberculin activity 6384.
Myeloma, monoclonal antibodies, use, enzyme immunoassay, detection, Salmonella, methodology 7241.
Nicotiana glutinosa × Nicotiana debneyi, hybrids, relationship, tobacco mosaic virus, resistance 1334.

Nutrition, rats, effect or effetiving 84 carcinogeopsis, line 4000.

nutrition, rats, effect on aflatoxin B1 carcinogenesis, liver 4902.

Proteinase, (continued)

```
Proteins, (continued) outer membranes, Brucella abortus, isolation, purification, characterization
              1827.

Outer membranes, Vibrio parahaemolyticus, purification, characterization 9124.
Paecilomyces varioti, feeds, allergenicity, occupational exposure, man 7607 parainfluenza virus 3, vaccines, immunogenicity, mice, sheep 7189.

Phaseolus vulgaris, disease resistance, tobacco mosaic virus 8608. phenois solubility, plants leaves, electrophoresis, relationship, viruses infection 2992.

+phospholipids complex use, Zymomonas mobilis ethanol biosynthesis, fermentation
                  Phytolacca americana, antiviral activity, relationship disease resistance.
              Phytolacca americana, antiviral activity, relationship disease resistance, reviews 9478.

Phytolacca americana, chemical modification, effects on antiviral activity 1576. 
Phytolacca americana, inhibition herpes simplex virus DNA biosynthesis 3368. 
poliovirus, separation, high-performance liquid chromatography, methodology 8102. 
production, methylotrophic bacteria, Japan, culture methodology 4502. 
production, Sporotrichum pulverulentum, use, Citrus, wastes 9131. 
products, nutritive value, celiulolytic bacteria growth, sugarcane bagasse 9287. 
R-protein, incidence, Streptococcus group B clinical isolates 6339. 
purification, characterization, sclerotia, Sclerotinia minor, Sclerotinia 
mitrilationum 8.
              purification, characterization, scierotia, Scierotinia minor, Scierotinia trifoliorum 8.

Rhizobium lupini, cell walis, chemical axtraction, methodology 2700.

Saccharomyeos species, electrophoresis differentiation, classification 8208. Scierotinia scierotiorum, scierotia, purification, characterization 7. separation techniques, yeasts nucleoproteins 9119. Soybeans, +minoed meat, bacteria, temperature effects on 228. stabilization, hemagglutination, burnyavirus, togavirus 3545. ton A gene, Escherichia coli, association sideromycin antibiotic resistance 641. viruses, radioactive labelling methodology 1761. viruses, spectrophotometry, solvents, methodology 8108. roteoclems.
    Proteocime
                  sensitivity typing, Proteus clinical isolates, association, antibiotic resistance
                              3264
    Proteoglycan,
digestion, Bacteroides thetaiotaomicron 3792.
Proteolipids,
    purification, characterization, mitochondria, yeasts 913. 
Proteolysis,
                roteorysis, cheese, ipening, lactic acid bacteria, organoleptic evaluation 7584. 
cheese, ripening, sait, effects on 221. 
collagen, Clostridium histolyticum collagenses 6412. 
glucose dehydrogenase, Bacillus megaterium 8273. 
Pseudomonas fluorescens, milk 4828. 
Streptomyces greeus, streptomycin biosynthesis 9760.
Proteolytic bacteria, cattle rumen microorganisms, media (isolation) use ribulosebisphosphate cathoxylase 7243, doctororganisms, media (isolation) use ribulosebisphosphate cathoxylase 7243, doctorotamination, fishery products, counting methods 3808, food contamination, spoilage, seafood 3825, population dynamics, waste treatment, animal wastes, lagoons 4434, soil, sludge, assays, methodology 850.

Proteolytic narymes, actinomycetes, biosynthesis 8293, activity, assays 7408
activity, colicins, Escherichia coli, outer membranes 1914, activity, Lociboaclius bulgancus, Lactobacilius casei, yr adiation induction mutants, milk 8200. biodegradation, Escherichia coli colicins, association, production 4397. Cheddar cheese ripening, organoleptic evaluation, cheese flavor 9270, effects on, catalase, soil 3201.

extracellular, Aspergillus candidus, biosynthesis, association, deficiency, carbon, nitrogen, sulfur 1933.

extraction, soil 4215. purification, characterization, Bacteroides nodosus 6466. purification, characterization, Ribizopus pygmaues 5520.

relationship, cephalosporin C, biosynthesis, growth conditions, effects on, Acremonium chrysogenum 4375. ripening, Cheddar cheese, organoleptic evaluation 9271. Streptomyces insous, Britinolysis 1947.

Streptomyces immosus, Britinolysis 1947.

Streptomyces immosus, Britinolysis 1947.

Streptomyces insous, Britinolysis 1947.
  Proteolytic bacteria, cattle rumen microorganisms, media (isolation) use ribulosebisphosphate
        S512.

**Torteus**, antibacteiral activity, Chromobacterium violaceum antibiotic Y-T0678H 9768. antibacteiral activity, acylureidopenicillins, antibiotic antagonism, cephalosporins 6144. antibacterial activity, antibiotic synergism, clavulanic acid, ticarcillin 6147. antibacterial activity, antibiotic synergism, semisynthetic penicillins, aminoglycoside antibiotocs 7125. antibacterial activity, actreonam 8881. antibacterial activity, mosciocillin, alcolillin, +cephalosporins 6148. antibacterial activity, norfloxacin 7062. antibacterial activity, norfloxacin 7062. antibacterial activity, torbamycillin 5254. antibacterial activity, torbamycillin 5254. antibacterial activity, torbamycillin 5254. antibacterial activity, torbamycillin 5254. antibacterial activity, violamycillin 5254. antibacterial activity, 1939. antibiotic SM-1652 antibacterial activity 3398. arthronam antibacterial activity 3398. arthronam antibacterial activity 347. ceptolosporns antibacterial activity 347. ceptolosporns antibacterial activity 347. chronium chloride, ovotransferrin, antibacterial activity, 347. chronium chloride, ovotransferrin, antibacterial activity, 347. clinical isolates, antibiotic ensistance 7024. clinical isolates, antibiotic ensistance 7024. clinical isolates, antibiotic activity, morrifora 5181.
```

resistance 3264.

Proteus, (continued)
morphology, colonial characteristics, drug resistance 657.
novobiocin antibacterial activity, pH effects on 6228.
piromidic acid antibacterial activity 1556
letracyclines antibacterial activity, comparison 6182.
Proteus mirabilis. roteus mirabilis, antibacterial activity, cefacior, cefadroxil 731. antibacterial activity, cefacior, cefadroxil 731. antibacterial activity, Cephalosporins derivatives, structure-activity relationships 8840. antibacterial activity, fosfomycin 7184. antibiotic sensitivity testing 2393. antibiotic sensitivity testing 9722. antibiotic 1982 antibacterial activity 735. bacteriocin typing 1777. cataliase, purification, physicochemical properties 3675. cefotaxime, moxalactam, antibacterial activity comparison, antimicrobial agents 6126. chlorhexidine, noxythiolin, phenoxyethanol, antibacterial activity 6040. chloriestanie, roxymionii, pheroxyeriano, amboadenia admyry dodo.

chincal isolates, antibacterial activity, actocilin 8847.

chincal isolates, antibiotic sensitivity testing 7132.

culture, freeze-drying, association, contamination analysis methodology 2684.

daunorubicin, adnamycin, antibacterial activity, structure-activity deunorubloir, adriamyori, artibbacterial activity, structure-activity relationships 4404.

Plationships 44 Proteus morganil, antibacterial activity, antibiotic synergism, cefotaxime, 3-desacetylcefotaxime 6117 antibacterial activity, antibiotics+ethonium 1558. antibacterial activity, meziocillin, azlocillin, +cephalosporins 6148. antibacterial activity, piperacillin 9757. antibiotic 1-640,876 antibacterial activity, mechanisms, membrane permeability antibiotic synergism, antibiotic antagonism, cefotaxime, 3-desacetylcefotaxime 6118 cefotaxime, moxalactam, antibacterial activity comparison, antimicrobial agents 6126 6126.
contamination, Saccharomyces cerevisiae, acetic acid reduction 4773.
flagellin, ε-N-methyllysine levise 5476.
histamine production, media (culture), seafood 2674.
threonine dehydratase, biosynthesis, purification, characterizaton 1900.
Proteus rettgeri,
antibacterial activity, piperacillin 9757,
antibiotic resistance, β-lactam antibiotics induction β-lactamase 3305.
celotaxime, moxalactam, antibacterial activity comparison, antimicrobial agents penicillin amidase, purification, characterization, immobilization 1893, respiratory tract infection, bekanamycin treatment, man, antibacterial activity 6186.

Proteus stuartil,
antibacterial activity, aztreonam 8881.

Proteus vulgaris,
aldehyde dehydrogenase (NADP⁺), purification, characterization 4649.
antibacterial activity, synthetic gratisin 8884,
antibiotic resistance, β-factam antibiotics induction β-factamase 3305.
antibiotic synergism, antibiotic antagonism, cefotaxime, 3-desacety/cefotaxime 6186. carbapenem, derivatives, in vitro, antibacterial activity 1650. ceflotetan inactivation β-lactamase 4368. cefuroxim, antibacterial activity 1612. β-lactam antibiotics+antineoplastic drugs synergism, antibacterial activity 3385 3385-P-lactamase, suicide inhibitors 2810. lactic acid biosynthesis 8206. plants extracts antibacterial activity, Iran 2458. respiratory tract infection, bekanamycin treatment, man, antibacterial activity 6186 Prothracarcin. Streptomyces umbrosus subsp.raffinophilus, biosynthesis, structure, antibacterial activity 1668. Protection, Protection, Proteurs mirrobilis, purification, characterization 8882.

Protemyces marcosporus, role, Coriandrum sativum canker pathophysiology 7711. role, Coriandrum Sauvuri variation, protons, release, yeasts, spectorphotometry, detection 2710. transfer, stereospecifity, phosphoenolpyruvate-protein phosphorytation, Escherichia coil 7398. Protoplast fusion, Saccharomyces cerevisiae, hybridization, genetic engineering, association, ethanol production 8402. rotoplasts, actinomyceles, membrane fusion, recombination, technology 5422. Bacillius megaterium, Micrococcus lysodelidicus, gramicidin S lysis 2577. cell fusion, Streptomyces hygroscopicus, balaphos, biosynthesis 9781. Collybia veltipes, Pleurotus estreatus, formation methodology 8166. Dachylium dendroidos mycelia, release, culture systems 9074. formation, Streptococcus, mutanolysin treatment, dairy industry 5414. fusion, fungi, β-lactam antibiotics biosynthesis, recombination 8906. fusion hybrids, Candida albicans, nystatin resistance 658. fusion, Pencillium, interspecific hybridization, strains selection 5439. fusion, Saccharomyces diastaticus, transformation, exo-1,4,-α-D-glucosidase resistance 3264.

conalbumin antibacterial activity, microflora 5181.
detection, media (selective) methodology, association, food contamination 5416.
dioxidine antibacterial activity 1557.
factumycin antibacterial activity 3436.
food contamination, detection methodology 5617.
fosfomycin derivatives antibacterial activity 8890.
Falcatamase inhibitors, cephalosporins synergism 6133.
media, identification 5403.

Protoplasta, (continued)
production 7323.
fusion, Staphyliococcus aureus, gene mapping, computer applications 4508,
fusion, Staphyliococcus aureus, gene mapping, computer applications 4508,
infected, lobacco mosaic virus, turnip yellow mosaic virus, identification,
autoradiography 8094,
methodology, Micromonospora rosaria mutagenesis 9075.
Neurospora crassa, detection methodology, antifungal activity, antibiotics 5440.
Nicotana aestivum, tobacco mosaic virus multiplication inhibition,
poly(2-methyl-5-vinylpyridine N-oxide) role 5582.
Nicotana tabaccum, exercitions, polato leaf roll virus, infection 7701.
Nicotana tabaccum leaves, tobacco mosaic virus infection 3041.
Nicotana tabaccum leaves, tobacco mosaic virus infection 3041.
Nicotana tabaccum, secretions, inhibition, tobacco mosaic virus, replication
3114. Punus persica, (continued)

Monilina fructicola overwintering, fungicides effects on sporulation 7763.

orchards, diater. Botryosphaena dothidea 1223.

orchards, disease Botryosphaena dothidea 1223.

orchards, disease spread. Inguiedes brown rot, Monilinia fructicola 1405.

priory disease spread. Pseudomonas persicae 4972.

priory disease, bacteria detection, enzyme-linked immunosorbent assay 7684.

phony disease, Bickettsia-like organisms isolation, culture, pathogenicity 6787.

sour cherry necrotic ring spot virus infection 2144. Prunus persica, (continued) sour chery necrotroc ing spor virus intection 2144.

Prunus asliciana,
gram-negative bacteria scald, isolation, pathogenicity, culture 1153.

Prunus asliciana,
scald, bacteria, epidemiology, Brazil 1221.

Paslilota hortensia,
kinin inactivation proteinase, purification, characterization 42

Psedomonas cocovenenans,
bongkrekic acid, inhibition bromelain, papain, ficin 2079.

Pseudocercospora indica sp.nov,
isolation, Zepharanthes rosea, India, new records 3989.

Pseudocercosporali hale reportichoides,
eyespot, shading, effects on Gramineae senescence 3956,
foot rot, aritrugal acivity, peracetic acid, Gramineae 1394,
footrot, factors affecting, Tribcum aestivum, disease resistance 4087,
footrot, treatment, benomy. Tribcum aestivum, classase resistance 4087,
footrot, treatment, benomy. Tribcum aestivum, classase resistance 4087,
footrot, treatment, benomy. Tribcum aestivum, 244.

Gramineae footrol pathogens antagonism, Fusarum, Rhizoctonia cerealis 1148,
infection, Hordeum, epidemiology, seasonal variations 1150,
rainfall spores dispersal, disease spread, eyespot, Triticum aestivum 5727,
spores, rainfall dispersal, isolation, soil 5921. Prunus saliciana. Penicillium chrysogenum, immobilized cells, vesicles, penicillin G production 2542. 2542.
Pseudomonas putida, formation methodology, reversion 2701.
regeneration, methodology, Clostridium pasteurianum 9029.
regeneration, Streptomyces, relationship macroiide antibiotics biosynthesis 6166.
Saccharomyces cerevisiae, encapsulation, products, recovery, methodology 9067.
Schizophyllum commune, glucans biosynthesis 1955.
Solianum tuberosum, response, Phytophthora infestans, hyphae, cell walls, components 3098.
Streptomyces, Micromonospora, preparation, methodology 6322. Protozoa, Interaction, bacteria, soil 552.

Providencia,

cefotetan antibacterial activity comparison 6134.

Immobilized cells, a-keto-y-methiol butyric acid production 1845.

media, identification 5403.

Providencia alcalificaciens,
penicillins antibacterial activity 5196.

Providencia stuartii,
antibacterial activity, nalidixic acid, ciprofloxacin, norfloxacin, pipemidic acid 7924. interaction, bacteria, soil 552 spores, rainfall dispersal, isolation, soil 5921.

Pseudomonas,
amino acids biosynthesis, 4-chlorobenzoic acid media 7308.
antagonism, Trichoderma hamatum, Pisum sativum seeds, association, Pythium rot, biological control 5820.
antibacteiral activity, Chromobacteirium violaceum antibiotic Y-T0678H 9768.
antibacterial activity, aminoglycoside antibiotics 7975.
antibacterial activity, aminoglycoside antibiotics 7976.
antibacterial activity, aminoglycoside antibiotics rephalosporins, antibiotic synergism 736.
antibacterial activity, actibitotic Bu-2470 8888. chlorhexidine, noxythiolin, phenoxyethanol, antibacterial activity 6040 penicillins antibacterial activity 5196. Prumycin,
Bacillus cereus, biosynthesis 4423 antibacterial activity, antibiotic Bu-2470 8888. antibacterial activity, azlocillin, ticarcillin, carbenicillin 744. Bacillus cereus, biosynthesis 4423.

Prunea,
fungi post-harvest decay 5801.
spoilage, fungi 4777.

Pruning,
disease control, blister rust, Cronartium ribicola, Pinus strobus 1466.
Pinus monticola, disease control, blister rust, Cronartium ribicola 1457.
roots, Gleditiaa triacanthos, association Nectria cinnabarine canker 9525.
wounds, fungicides disease control, white rot, Coriolus versicolor, Malus pumila antibacterial activity, cefoxitin, ceftizoxime, antibiotic antagonism, penicillins 2533. pencillins 2533.
antibacterial activity, cephalosponns 1606.
antibacterial activity, dibekacin, comparison, tobramycin 2584.
antibacterial activity, mezlocillin, pencillins, cephalosporins 9709.
antibacterial activity, moxalactam, ceftazidime, cephalosporins 4344.
antibacterial activity, ordioxacin 7062.
antibacterial activity, O-demethyfiotrimicin 4413.
antibiotic resistance, septicemia, man 645.
antibiotic sensitivity testing 6111.
antibiotic sensitivity testing 6111. 6873 wounds, microorganisms disease control, fungicides treatment 7767 Wounds, minorage pattern virus infectivity 394.

American plum line pattern virus infectivity 394.

X disease, Mollicutes, disease transmission, Coiladonus montanus 4973.

X disease, mycoplasma-like organisms, mixed infection, Spiroplasma citri, etiology 3025.

Spiroplasma citri, etiology 3025.

Spiroplasma citri, etiology 3025.

Spiroplasma citri, etiology disease 574 antibiotic sensitivity testing 2993.
antibiotic sensitivity testing 6111.
antibiotic sensitivity testing methodology comparison 6090.
apalcillin antibacteral activity 2556.
azthreonam antibacteral activity 2556.
azthreonam antibacteral activity 777.
bile acids catabolism, Actionomycetes, bile acids catabolism 149.
biodegradation, dichlorvos 5584.
biodegradation, nineralization, phenmedipham 5926.
biodegradation, odors compounds, skatole, indole, butyraldehyde 5580.
biodegradation, prospounds, skatole, indole, butyraldehyde 5580.
biodegradation, prospounds, skatole, indole, butyraldehyde 5580.
biodegradation, odors compounds, skatole, indo etrology 3025.

experimental infection, prunus necrotic ringspot virus, pathology 405.

llarvirus isolates, association, mosaic diseases, ringspot, dwarf disease 5740.

necrotic ringspot virus, localization, pollen, enzymer-linked immunosorbent assay 2148.
orchards, incidence, Phytophthora 386.
pollen, prunus necrotic ringspot virus localization 1219.
tomato ningspot virus, disease reservoirs 1209.
tombusvirus isolation, identification, companson, petunia asteroid mosaic virus,
tombusvirus isolation, identification, companson, petunia asteroid mosaic virus,
tomato busly virus 390.
Prunus amygdalis,
fungal flora, seed composition, water activity effects on 5803. dieback, Eutypa armeniacae 6786. pollen, prunus necrotic ringspot virus localization 1219. Prunus armeniaca, wound infection, Chondrostereum purpureum, disease control, paints+fungicides 4965.

clinical isolates, antibiotic resistance 7024.

conalbumin antibacterial activity, microflora 5181.

contamination, Mydogen cyanide, fungi cyanogenesis assays 3556.

contamination, Mydrogen cyanide, fungi cyanogenesis assays 3556.

contamination, Mydrogen cyanide, fungi cyanogenesis assays 3556.

contamination, Mydrogen cyanide, fungi cyanogenesis assays 3556.

delictrication, genetic analysis, reviews 5119.

deletiction, media (selective) methodology, association, food contamination 5416.

2.4-dichiorophenoxyacetic acid biodegradation 7605.

dodecytriethoxy surfate biodegradation 148.

drinking water isolates, antibiotic resistance 3480.

enkephalin hydrolysis, enzymatic activity, bestatin analogs effects on 7551.

entracellular polymers, carbohydrate composition 1958.

extracellular polysaccharides, comparison, gels 980.

R factors, animal isolates, Pisces 3275.

fermenters, methanol metabolism 6318.

fishey products, storage conditions, carbon dioxide, nitrogen, temperature, 8629. Prunus avid runus avium, chery leaf roll virus infection 2143. chery leaf roll virus elimination 6585. liftle cherry decases, virus-like particles isolation, characterization 5732. sour cherry necrotic ring spot virus infection 2144. wound infection, Chondrostereum purpureum, disease control, paints+fungicides Prunus cerasifera, microorganisms canker, Nematoda effects on pathogenesis 1212 Prunus cerasus, Prunus carasus,
refection, Cocomyces hiemalis, water effects on pathogenesis 1203.
Pseudomonas syringae dissemination, rain water, monitoring methodology 6785.
Sour cherry necrotic nng spot virus infection 2144.
Prunus domestica,
canker, Pseudomonas syringae pv.syringae, disease control, fumigation 5743.
meristem the putilure, simination, plum pox virus 2246.
silver leaf, Chondrostereum purpureum, biological control 4067.
Prunus domestica subsp.domestica,
rust, Tranzschelia discolor, host range, sporulation 3967.
Prunus domestica subsp.lnatitila,
rust, Tranzschelia discolor, host range, sporulation 3967.
Prunus errordic ringspot virus,
experimental infection, Prunus, pathology 405.
localization, pollen, Prunus 1219.
Prunus persica,
benomyl resistance, Monilinia fructicola infection, comparison treatment, captan, fishery products, storage conditions, carbon dioxide, nitrogen, temperature, effects on 8498. inshery products, storage conditions, carbon dioxide, nitrogen, temperature effects on 8498.
flood contamination, beef, pork, temperature effects on 241.
dod contamination, beef vacuum packaging, oxygen barriers films 261.
fosfomycin derivatives antibacterial activity 8890.
galactonate dehydratease, purification, characterization 6437.
glutamin-(asparagin-) asse, crystallography 7399.
glycerate dehydrogenase, purification, characterization 4641.
glycosidases biosynthesis 5516.
gold, biogeochemistry 7013.
growth, milk, refrigeration, storage 4830.
growth, pik, temperature, cooling water, paper mills 7201.
2-haloacid dehalogenase, purification, characterization 7370.
heat resistance, dairy products, incidence 4814.
hexachlorophene drug resistance, conjugation, R factors 6030.
hydrocarbons emulsiliens, solvents 9632.
hydrocyanic acid production enzymes fractionation methodology, column chromatography+detergents, anaerobic conditions 4505.
a-hydroxy acid production 2743.
hydroxymethy/glutaryl-CoA reductase 8227. benomyl resistance, Monilinia fructicola infection, comparison treatment, captan, prochloras 5719. prochloras 5719.
blossom bilght, Monilinia fructicola, benomyl resistance, disease control 5835.
X disease, oxyletracycline hydrochloride treatment 2152.
disease resistance, gummosis, Botryosphaeria dothidea 2248.
fungi fruit rot symptom 5735.
gummosis, Botryosphaeria, pathology 1217.
gummosis, epidemiology 1214.
Leucostoma cincta infection, disease resistance 3963.
Monilinia fructicola infection, pathogenicity, fungicides resistance 2278.

```
Pseudomonas, (continued)
identification, isolation, Eichhornia crassipes 3056.
identification, lipopolysaccharides, carbohydrate composition, lipid composition,
ntrogen fixation, isolation, rhizosphere, Deschampsia caespitosa 9597.
inoculum, Zea mays, roots, association, Rhizobium, methodology 3548.
isolation, milk, meat 3826.
isolation, milk, meat 3826.
i-lactam antibiotics derivatives antibacterial activity, synthesis 6097.
ilpoxygenase biosynthesis, hyaluronic acid effects on 7412.
lysine production, use, Di-ca-aminov-caeprolactam 6395.
myxovirescins, artibacterial activity 3433.
naphhalene oxygenase, purification, characterization 7385.
nitrogen fixation, rhizosphere, Oryza sativa 9596.
n-itrophenetol biodegradation 2013.
nortioxacin antibacterial activity 8760.
pathogenicity effects on, Beta vulgans crop production 403.
penicillins antibacterial activity, β-lactamase activity, disc-diffusion test
interpretation 6145.
phosphorus mineralization, oil shales, Rhabditis 556.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pseudomonas aeruginosa, (continued)
antibacterial activity 740,
antibiotic sensitivity testing 3386,
antibiotic sensitivity testing 7068.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ambiorito sensitivity testing 7003. antibiorito resistance 7023. antibiorito sensitivity testing, antibiorito resistance 7023. antibiorito sensitivity testing, ceffazidime, agar diffusion test 4371. antibiorito sensitivity testing, methodology companison 9761. antibiorito sensitivity testing, nosocomal infection, man 6098. antibiorito sensitivity testing, nosocomal infection, man 6098. antibiorito sensitivity antibiorito sensitivity 3398. antibiorito SM-1652 antibioritorial activity 3398.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               antibiotic synergism, antibiotic antagonism, cefotaxime, 3-desacetylcefotaxime
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               antibiotic synergism, azlocillin, aminoglycoside antibiotics 8849. 
antibiotic U-63196E antibacterial activity, β-lactamase stability, new records 8832.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      records 8832 antibiocterial activity 6128 antibiotics, purification, physicochemical properties 7175, antibiotics, purification, physicochemical properties 7175, antimicrobial activity, convnyl triphenyl phosphonic acids derivatives 9700, antiviral activity, antibiotic synergism, gentamicin+carbenicillin 7128, azlocillin, matibacterial activity 8848, azlocillin, matibacterial activity 8484, azlocillin, mastocillin, antibacterial activity 6142, azurin, coordination geometry, copper active sites, Raman spectroscopy 9, browning, association, Pseudomonas marginata rot, Allium cepa 3063, butyric acid, fumaric acid, biosynthesis, thermodynamics 8201, carbamate kinase, purification, function, regulation 37, carbamate kinase, purific
                          Interpretation 6145.

phosphorus mineralization, oil shales, Rhabditis 556.

plant diseases, Vigna unguiculata, factors affecting pathogenesis 4931.

plants pathogens, preservation, gels+cold storage 2688.

proteinase, purification, physicochemical properties 3666.

purification, industrial effluents, wastewater treatment 793.

replication, Nicotiana tabacum, factors affecting host-parasite interactions.
              repireation, Nicobaha tatakum, rattors arrecting nost-parasite interatuons 3616.

seed treatments, disease control, Gaeumannomyces graminis, take-all, Triticum aestivum 3158.

solt rot, Cactaceae 1291.

solt rot, tubers, Solanum tuberosum 5752.

spocies, wetwood etiology, Ulmus americana 8657.

spociage, beel, vacuum packaging, refingeration 5638.

styrene dimers biodegradation 7559.

D-(-)-tartate dehydrogenase isoenzymes, isolation, characterization 21.

temocillin artibacterial activity 2550.

thiosulfate oxidation, enzymes isolation, marine environment 7404.

use, disease control, taker-all, Gaeumannomyces graminis, Triticum aestivum 4090.

D-xylose dehydrogenase, purification, characterization 6431.

Pasudomonas acidovorans, purification, characterization 4630.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 7392
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cefotetan antibacterial activity 5198.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         certotean artibacteria activity 1996 certotean artibacteria activity comparison 6134. 
cefsulodin, +ticarcillin, +meziocilin, +aminoglycoside antibiotics, 
artibacteria activity 609. 
ceffnaxone, +aminoglycoside antibiotics, antibiotic synergism, antibiotic 
antagonism 7966.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      antagonism 7986.
ceturoxim, antibacterial activity 1612.
cell death, soil, characterization 2353.
cell membranes, alcohol dehydrogenase, purification, kinetics, mechanisms 7406.
cell membranes, cytochrome c-551, cytochrome c-555, purification,
characterzation 1828.
cephalosporins+aminoglycoside antibiotics antibacterial activity 1607.
chiorhexidine, noxythiolin, phenoxyethanol, antibacterial activity 6040.
clinical isolates, artibacterial activity, azlocilim 8847.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cephalosporins+aminoglycoside antibiotics antibacterial activity 1607.
chiorhexidine, noxythiolin, phenoxyethanol, antibacterial activity 16040.
clinical isolates, antibacterial activity, azlocillin 8847.
clinical isolates, antibacterial activity, caphalosporins 9740.
clinical isolates, antibacterial activity, cephalosporins 8830.
clinical isolates, antibacterial activity, esphatamicin, tobramycin, netlimicin,
media analysis 7074.
clinical isolates, antibacterial activity, sisomicin 3425.
clinical isolates, blood culture, sucrose effects on election 9955.
clinical isolates, blood culture, sucrose effects on election 9955.
clinical isolates, blood culture, sucrose effects on election 9955.
clinical isolates, enhoriture, antibacterial activity 2523.
comparison, Pseudomonas stutzerl, aracoccus dentrificans, denitrification 5107.
contamination, water quality, association oftis externa, epidemiology, man 2630.
culture, freeze-drying, association, contamination analysis methodology 2684.
cyanide biosynthesis, aquatic environment, in vitro 6606.
cytochrome C551, purification, carbon monoxide binding kinetics 4556.
cytochrome oxidase, N.M.R., magnete susceptibility 2777.
cytochrome oxidase, purification, 4614.
cytochrome peroxidase, heme redox properties, E.S.R. 3696.
2,3-diacetamido-2,3-dideoxyl-Lyuluronic acid detection 4700.
dioxidine antibacterial activity 1557.
disc-diffusion test, drug sensitivity testing, pipemidic acid 7916.
DNA gyrase, purification, characterization 2753.
EDTA-tromethamine+antimicrobial agents, antibacterial activity 8750.
effects on plasmids, mercury resistance freeze-thaw
antibacterial activity, antibiotic synergism, cefotaxime, 3-desacetylcefotaxir (1117.

2-pyrone-4,6-dicarboxylic acid biosynthesis, gallic acid catabolism 1849.

Pseudomonas seruginosa, acetamide, isolation, man, cystic fibrosis 9904.

Achatina fulicia, mucin, antibacterial activity 5185. adherence, plastics 3492. aldehyde dehydrogenase isoenzymes, purification, charactenzation 4650. amikacin resistance, transposon Tn2424 mediation 7899. (2-aminoeltwyl)phosphonate-pyruvate aminotransferase, purification, characterization 7405. aminoglycoside antibiotics+carbenicillin, antibacterial activity 1619. aminoglycoside antibiotics, antibiotic sensitivity testing 4351. MLK 0366 antibacterial activity, 8-lactam antibiotics 4330. antibacterial activity, 8-lactam antibiotics 4330. antibacterial activity, antikacin, gentamicin, antibiotic synergism, cephalosporins 6144. artibiacterial activity, amikacin, gentamicin, antibiotic synergism, ± carbenicillin, ± piperacillin 755. antibacterial activity, amitibiotic SQ 26,917 8039. antibacterial activity, antibiotic SQ 26,917 8039. antibacterial activity, antibiotic synergism, mikacin, cefoxitin, fosfomycin, N-formimidoyl thenamycin 3394. antibacterial activity, attribiotic synergism, mikacin, cefoxitin, fosfomycin, N-formimidoyl thenamycin 3394. antibacterial activity, actibiotic synergism, mikacamycin, + polymyxin B, + carbenicillin, + dibekacin, + hosfomycin, aphalosporins 9732. antibacterial activity, azlocillin, piperacillin, osphalosporins 9732.
                       antibacterial activity, azlocilin 88/23. antibacterial activity, azlocilin, piperacillin, cephalosporins 9732. 
antibacterial activity, aztreonam 8203. 
antibacterial activity, aztreonam 8861. 
antibacterial activity, carbenicillin, meziocillin, N-acetyl cysteine effects on
                                            5281.
                             antibacterial activity, cefoperazone 7146.
                       antibacterial activity, ceftperazone, cefsulodin, ceftazidime 7993.
antibacterial activity, ceftazidime 4367.
antibacterial activity, ceftazidime 4367.
antibacterial activity, ceftazidime 9747.
           7056.

-guanidinopropionate amidinohydrolase, purification, charactenzation 1918. 
hydrocarbons utilization 7021. 
identification, media (culture) association 
9-chlorc-9-(4-diethylaminophenyl)-10-phenylacridan 9954. 
incidence, ecological distribution, rivers 2621. 
isolates, hospitalis, artibiotic resistance 8732. 
-lactiam antibiotios+ artitineoplastic drugs, synergism, antibacterial activity 
-lactiam antibiotios+ artitineoplastic drugs, synergism, antibacterial activity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3385

B-lactamase, B-lactam antibiotics, antibiotic resistance 7878.

B-lactamase biosynthesis, genetic analysis 8287.

B-lactamase, hydrolysis, cefotaxime, cefsulodin 4355.

B-lactamase, hydrolysis, cefotaxime, cefsulodin 4355.

B-lactamase, hydrolysis, susceptibility, moxalactam 5272.

B-lactamase, hydrolysis, susceptibility, moxalactam 5272.

B-lactamase, inhibition, clindamycin 7155.

B-lactamase, isoleticin focusing 7383.

B-lactamase, isoleticin, prification 4665.

B-lactamase, mechanisms 86.

Iactic acid biosynthesis 8206.

Iacti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3385
                 antibiascierial activity, ceftriaxone, disc-diffusion test 7998. 
antibiotic resistance, aminoglycoside antibiotics, incidence, Switzerland, clinical surveys 6003, 
antibiotic resistance, gentamicin, carbenicillin, β-lactam antibiotics
```

Paeudomonas aeruginosa, (continued)
mercuric reductase, N-terminus, active sites, amino acid sequence, homology glutathino reductase (NAD(P)H), dihydrolipoamide dehydrogenase 9175.
microllora, treatment pools - U.V. radiation, hospitals 798.
microllora, treatment pools - U.V. radiation, hospitals 798.
microllora, treatment pools - U.V. radiation, hospitals 798.
modification enzymatic, aminoglycoside antibiotics, association, antibiotic resistance 640.
morphology, antibiotics effects on 9752.
moxalactam, ± gentamicin, bacterioidal activity, antibiotic synergism 2530.
mucodi form, aliginic acid biosynthesis 2746.
norfloxacin, antibacterial activity y662.
norfloxacin, antibacterial activity, omparison, nalidixic acid, cinoxacin, oxolinic acid 5197.
norfloxacin antibacterial activity, omparison, nalidixic acid, cinoxacin, oxolinic antibacterial activity, offects on 6228.
oritis externa, man, baths, water-borne diseases 8070.
ucter membranes, protein composition, association, polymyxin resistance 663.
penicillin-binding protein, affinity ceffazidime, antibacterial activity 8835.
plaint extracts antibacterial activity, iran 2458.
plasma membranes, solubilization, sodium dodecyl sulfate 9664.
plasmids, genes, antibiotic resistance 1544.
poly(hexamethylene biquanide hydrogen chloride), antibacterial activity 2450.
poly(h-benzyl-4-vinylpyridinium bromide), removal, water treatment, methodology 9046.
polymyxin antibiotic resistance, association, outer membranes membrane Pseudomonas fluorescens, (continued) cytoplasmic membranes, glucose dehydrogenase, purification, characterization 4604. 4604,
v(poplasmic membranes, glucose dehydrogenase, reduction ubiquinone, phospholipids, Triton X-100 activation 955.
Dutch elm disease, Ulmus glabria, Scolytus vectors 1453.
epoxidation, propylene, metabolism 7462.
extracellular enzymes, triacylglycerol lipase, purification, characterization
extracellular enzymes, triacylglycerol lipase. extracellular enzymes, triacylgiocerol lipase, purification, characterization 5491.

extracellular proteinase, physicochemical properties 95.

fensulfothion, biodegradation 7538,
galactose dehydrogenase, purification, characterization 4608,
growth, praymes production, oxygen tension, batch culture 108,
growth, milk, dissolved oxygen, cold storage 239,
growth, proteolysis, milk 4828.

4-hydroxybenzoate 3-monooxygenase, adenosine nucleotides, Cibacron blue,
phosphate, metals inhibition 8275.

4-hydroxybenzoate 3-monooxygenase, amino acid sequence 7400.

4-hydroxybenzoate 3-monooxygenase, tertiary structure models 7402.

4-hydroxybenzoate-3-monooxygenase apoenzymes, purification, characterization 954.

4-hydroxybenzoate-3-monooxygenase chemical modification 1880.

induction, disease resistance, Nicothana 3131.

methylketone, production, association, alcohols 7460.

hosphogluconate dehydrogenase (decarboxylating) purification, characterization yotenase, effects on milk 8310. polymyxin antibiotic resistance, association, outer membranes membrane permeability 632. polymyxin antibiotic resistance, plasma membranes fatty acid composition 7040. profine dehydrogenase 1-pyrroline-5-carboxylate dehydrogenase purification, characterization 1908. purification, haracterization 1908. proteinase, effects on milk 8310. proteinase, enecus on milk 6310.

proteinase, purification, characterization, thermal stability 4663.

proteinase, purification, immunochemistry, antigenic determinants 8291.

rhizosphere bacteria, effects on growth, yield, Solanum tuberosum 6937.

styrene biodegradation pathways 8433. characterization 1908
purification, characterization, proteinase 7374,
pyocine typing, nosocomial infection clinical isolates 1781,
pyocins, purification, characterization 2574,
Roccal-D antibacterial activity 8920.
Serum bacterial activity, 7918,
serum bacteriadial activity, 7918,
serum bacteriadial activity, mikacin± ceftazidime, cefoperazone±
amikacin 3400. styrene biodegradation pathways 8433.

Pseudomonas glycines,
blight, identification, biochemical characteristics, Glycine max 2991,
disease resistance, agglutinins, leaves, Glycine max 3128.

Pseudomonas incognita,
biodegradation, liralyl acetate 2901.

Pseudomonas lachrymans,
Colletotrichum lagenarium, induction, disease resistance, Cucumis sativus 3124,
disease resistance, inheritance, Cucumis sativus 6851.

Pseudomonas matlophilia,
aniline tritivation 3786. amikacin 3400. soaps contamination 2641. sodium dodecyl sulfate, biodegradation, antibacterial activity 9254. sodium typochlorite decontamination, skin lissue culture 8092. temocillin antibacterial activity 6155. tetracycline sensitivity 7077. ticarcillin± tobramycin, calcium, magnesium, zinc, effects on, antibacterial activity 754.441 (injentification, association aminophycoside antibiotics). aniline utilization 3786. antibacterial activity, β-lactam antibiotics 7983 antibacterial activity, β-lactam antibiotics 7983.
antibacterial activity, antibiotic Bu-2470 8888.
antibiotic SM-1652 antibacterial activity 3398.
biodegradation, herbicides, heat treatments, soil 5904.
effects on com meals, nutritive value 251.
α-pinene biodegradation 5582.
thenamyorin media (isolation), feces 9066.
Pseudomonas marginalis,
soft not, post-harvest decay, tomatoes, storage conditions 9453.
Pseudomonas marginalis var.alfatiae,
crown rot, Medicago sativa, USA, Utah 9322.
Pseudomonas marginata,
Allium ceps arot, association, Pseudomonas aeruginosa browning 3063.
Pseudomonas ochracese,
4-oxalmesaconate hydrolase, 4-oxalcitramalate aldolase, purification. activity 754.

transposon 7n2401 identification, association aminoglycoside antibiotics resistance 7050.

transposon 7n2401 identification, association aminoglycoside antibiotics resistance 7050.

tracyldycror lipase, polysaccharides effects on biosynthesis 1945.

U.V. radiation resistance, R factors, plasmid pBS12, plasmid pBS31 7037.

urinary tract clinical isolates, norfloxacia antibacterival activity 9671.

vaccines, preparation, utiracentrifugation, function 6238.

vaccines, preparation, utiracentrifugation, utirafitration 3456.

vability, freeze-thawing, skim-milk 220.

Pseudomonas andropogonts, leafspot, pathology, Trifolium repens 9320.

Pseudomonas cepacia, antibacterial activity, antibiotic synergism, cefotaxime, 3-desacetylcefotaxime 6117. 4-oxalmesaconate hydrolase, 4-oxalcitramalate aldolase, purification, characterization 6480 antibiotic SM-1652 antibacterial activity 3398. biodegradation, 2,4,5-trichlorophenyl acetate, soil contamination 4750. isolation, bis-(3-hydroxy-Z-oxocyclo-heptatrien-(3,5,7)-yl-sulfide, antibacterial Pseudomonas oleovorans, hydrocarbons conversion, petodes production association 9631. hydrocarbons conversion, methodology, characterization 8720. Pseudomonas ovalls, iron superoxide dismutase, quaternary structure, X-ray crystallography 6561. isolation, bis-(3-hydroxy-Z-oxocyclo-heptatrien-(3,5,7)-yl-sulfide, antibacterial activity 768.

nitrogen mineralization, grazing, association, Mesodiplogaster, Acanthamoeba polyphaga, effects on 614.

outer membranes, cytoplasmic membranes, isolation, characterization 4480. pigments, antibacterial activity, antitungal activity 1645. survival, nose sprays, thimerosal preservatives 7118.

2,4,5-frichlorophenoxyacetic acid, biodegradation 1059.

Pseudomonas chlorophis, aiiphatic nitrile hydratase, acrylamide biosynthesis 1982.

Pseudomonas cichoril, leafspot, pathogenicity, Pelargonium 5795. iron superoxide dismutase, quaternary structure, X-ray crystallography 6561.
Pseudomonae paucimobilis,
antimicrobial agents antibacterial activity, drug resistance 2512.
soil, growth, nutrition, ATP production, relationship, nitrogen ievels 4218.
nitrous oxude reductase, purification, characterization 916.
Pseudomonae persicae, disease spread, Prunus persica, orchards 4972.
Pseudomonae phaseolicola,
cell agglutination, Phaseolus vulgans plant extracts, role, pathogenesis 8540.
phytotoxins, chlorosis induction, Phaseolus vulgans 2989.
Pseudomonae pisl. necrosis outbreaks, Chrysanthemum morifolium stems, USA, Florida 5023 Pseudomonas citronellolis. methylcrotonoyl-CoA carboxylase, geranoyl-CoA carboxylase, purification, characterization 8234. physicionus, chioces kaudon, i research personal propositive response, inhibition RNA biosynthesis, Nicotiana tabacum 5787, hypersensitive response, leaves ultrastructure, Nicotiana tabacum 6790, infection, Nicotiana tabacum, hypersensitive response 4980, infection Nicotiana tabacum leaves, hypersensitive response association mesophyll Pseudomonas corrugata, necrosis incidence. Lycopersicon esculentum stems. USA. Florida 5025 necrosis incidence, L'ycopersicon esculentum stems, USA, Florida 5025.

Infection, Lycopersicon esculentum, pathology 2223.

Pasudomonas dacuhse,
Inmobilizad cells, L-alanine biosynthesis 2745.

Pasudomonas dacuhse,
L-aspartate-g-decarboxylase, L-alanine production 927.

Pasudomonas deovorans,
L-aspartate-g-decarboxylase, L-alanine production 927.

Pasudomonas deovorans,
pyrruvate carboxylase, purification, characterization, kinetics 6454.

Pasudomonas desmoythcum,
petroleum biodegradation, sulfur metabolism 5991.

Pasudomonas elodes,
polysaccharides, rheology, conformation 6581.

Pasudomonas flicuserectae sp.nov.,
leafspot, Ficus erecta 7715.

Pasudomonas flicuserectae,
alcohol dehydrogenase, isolation, purification, characterization 7381.
antibacterial activity, hydroxycinnamic acid, esters 2448.
aryl acylamidase, purification, characterization 7376.
biodegradation, methylmercury 1996.
biodegradation, methylmercury 1996.
biodegradation, purification, characterization pasin policy produced produ 462.

Pseudomonas pseudoalcaligenes subsp.konjaci,
leaf blight, Amorphophalus konjac, pathogenesis 7716.

Pseudomonas pseudomaliei,
enzymes, infectivity, ureudosuccinic acid dihydrazide effects on 6056.

Pseudomonas putida,
+ Alcaligenes eutrophus, mixed culture, arsenic oxidation 2383.
alikanes biodegradation 626.
authbederial edicity, activities 94,2470,9898. alkanes biodegradation 628. antibacterial activity, antibiotic Bu-2470 8888. cell disruption, alkane 1-monooxygenase isolation, n-alkanes oxidation 5507. 3-chloro-D-alanine chloride-lyase, use, D-cysteine biosynthesis 4557. 3-chloro-D-alanine metabolism, D-cysteine enzymatic synthesis 4551. 3-chloro-D-alanine metabolism, D-cysteine enzymatic synthesis 4581.
D-cysteine bosynthesis 8204.
D-cysteine 8204.
Dpeat ioucogradation 2017.
phenols conversion, structure effects on 2882.
phospho-2-keto-3-deoxy-gluconate aldolase structure, X-ray crystallography 2791.
plasmid pSROS6 role metabolism, 8-citronellol, geraniol 6642,
protoplasts formation, methodology, reversion 2701.

cooling water systems surfaces contamination, bactericides, nutrient availability effects on 4451.

cyanide biosynthesis, aquatic environment, in vitro 6606

putidamonoxin, reduction kinetics, sodium dithionite, superoxide radicals, putidamonoxin, reduction kinetics, sodium dithionite, superoxide radicals, putidamonoxin-NAD ** reductase 2790.

2-pyrone-4, e-dicarboxylic acid biosynthesis, gallic acid catabolism 1849.

nizosphere bacteria, effects on growth, yield. Solanum tuberosum 6937.

superoxide dismutase, redox-potential 4588.

seudomonas putrefactens, food contamination, beef, minced meat 3841.

seudomonas rhodos, mutants, 4, 4-diapocarotene-4-al-4-oic acid, glucosyl-4, 4-diapocarotene-4, a-date, biosynthesis pathways 4568.

seudomonas saccharophila, 6-phospho-2-keto-3-deoxy-gluconate aldolase, rhospho-2-keto-3-deoxy-glaconate aldolase, fractionation 5-dad contamination, disease resistance, Solanum phureja, temperature effects on 434.

seudomonas solanacearum, aggluination, glycoproteins, Nicotiana tabacum, callus culture 1351.

seudomonas solanacearum, aggluination, glycoproteins, Nicotiana tabacum, callus culture 1351.

seudomonas solanacearum, aggluination, glycoproteins, Nicotiana tabacum, callus culture 1351.

seudomonas solanacearum, aggluination, glycoproteins, Nicotiana tabacum, callus culture 1351.

seudomonas solanacearum, aggluination, glycoproteins, Nicotiana tabacum, callus culture 1351.

seudomonas solanacearum, aggluination, glycoproteins, Nicotiana tabacum, callus culture 1351.

seudomonas solanacearum, aggluination, glycoproteins, Nicotiana tabacum, callus culture 1351.

seudomonas solanacearum, aggluination, glycoproteins, Nicotiana tabacum, callus culture 1351.

seudomonas solanacearum, aggluination, glycoproteins, Nicotiana tabacum, callus culture 1351.

Infection, Nicouana callus, association, production, pnytuberin, phytuberol 6845, infection, Solanium, disease resistance 2269. infection, Solanium tuberosum, factors affecting disease resistance 3107. media (selective) 9898. plant diseases, roots, crops, greenhouses, USA, North Carolina 9411. survival, Lycopersicon esculentum wilt, USA, North Carolina soil 8675. survival, soil moisture, soil types 9575. tannins soil amendment effects on, respiration, glucose oxidation 593. vertical distribution, soil, wilt, Lycopersicon esculentum 5759. wilt, Cyphomandra betacea, disease resistance 1384. wilt, propersioned several series and series of the series of th

5107.

corrosion, steel, role dissolved oxygen, sea water 9626.
purification, characterization, c-amylase 2771.
1,2,3,4-tetrahydronaphthalene biodegradation 8718.

2eudomonas syringes,
canker, Prunus cerasifera, Nematoda effects on pathogenesis 1212.
enhancement, cryoniqury, Lycopersicon esculentum, Gilycine max 2224.
Glycine max accumulation phytoalexins association, N-phophonomethyl glycine
effects on 498.

ice nuclei activation, Erwinia herbicola, biological control, cryoinjury, Zea

Glycine max accumulation phytoalexins association, N-phophonomethyl glycine effects on 498.
ice nuclei activation, Erwinia herbicola, biological control, crycinjury, Zea mays 8642.
infection, association, frost, temperature, symptoms, Populus trichocarpa 4173. leaf bilght, etiology, Zizania aquatica 5702.
leaf spot, Protea cynaroides 6804.
Prunus cerasus dissemination, rain water, monitoring methodology 6785. syringacin W-1 biosynthesis, activity, Phaseolus vulgans tissues infection 2114. tagetitoxin, structure 6726.
Poudomonas syringae pv.lachrymans, diseases control, seed treatments 9501. survival, soil, plant debris, association, pathogenicity, Cucumis sativus 9574. saucomonas syringae pv.papulans, susceptibility, Malus pumila, seasonal variations 400.
Paudomonas syringae pv.phaseolicola, bilght, Phaseolus vulgans, disease control 9462.
Paudomonas syringae pv.phaseolicola, bilght, Phaseolus vulgans, disease control 9462.
Paudomonas syringae pv.phaseolicola, virulence, Olea europaea, disease control 9462.
Paudomonas syringae pv.savastoni, virulence, Olea europaea, laeves 5742.
Paudomonas syringae pv.savastoni, virulence, Olea europaea, laeves 5742.
Paudomonas syringae pv.savastoni, virulence, Olea europaea, laeves 5742.
Paudomonas syringae pv.manus domestica 5743. identification, immunofluorescence, ice crystals formation 8310. outer membranes protein composition, relationship plant diseases virulence 7307. smoke, effects on, ice nuclei formation, activity 9527.
Pavingomycin, syringotoxin, effects on, Zea mays, mitochondria 2966.
Paudomonas syringae pv.tabecl, lipopolysacchandes, association, encapsulation, Nicotiana tabacum, leaves 3064.
Paudomonas syringae pv.tabecl, lipopolysacchandes, association, encapsulation, Nicotiana tabacum, leaves 3064.
Paudomonas syringae pv.tabecl, lipopolysacchandes, association, encapsulation, Nicotiana tabacum, leaves 3064.
Paudomonas syringae pv.tabecl, lipopolysacchandes, association, encapsulation, Nicotiana tabacum, leaves 3064.
Paudomonas syringae pv.tabecl, lipopolysacch

intection, Lycopersicon esculentum developmental stages enects on susceptioning 2234.
infection, Lycopersicon esculentum seeds, survival 412.
necrosis, plants, etiology 3065.
serotypes, identification 5385,
speck, disease resistance, Lycopersicon esculentum 5049.
speck, disease resistance, Lycopersicon esculentum 5049.
speck, Lycopersicon esculentum foreign, Lycopersicon esculentum 1297.
speck, Lycopersicon esculentum, disease resistance 1381.
speck, Lycopersicon esculentum, scanning electron microscopy, pathology 2233.
seudomonae syringse aubep,naevastanol, halo blight, Phaseolus vulgaris, effects on nodulation, Rhizobium phaseoli 7652.
seudomonae syringse subep,seavastanol, infection, Fraxinus excelsior, pathology 4172.
seudomonae syringse puccoronafaciens, chocolate spot, Zea mays 1199.
seudomonae tastosteroni, cell membranes, testosterone-binding protein, purification, characterization 6394.

Pseudomonas testosteroni, (continued)

3α-hydroxysteroid dehydrogenase, bioassays, bile acids 4504. 3α-hydroxysteroid dehydrogenase substrate specificity 1873. Δ5-3-ketosteroid isomerase, photoaffinity labelling, nandrolone,

Ge-hydroxysteroid delrydrogenase substrate specificity 1873.

Δ5-3-kelosteroid isomerase, photoaffinity labelling, nandrolone,
Δ6-destoateroid isomerase, photoaffinity labelling, nandrolone,
Δ6-destoateroid isomerase, photoaffinity labelling, nandrolone,
Δ6-destoateroid isomerase, photoaffinity labelling, nandrolone,
steroid-brinding protein, purification, characterization 1837.

Pseudomonas thermophila,
malate dehydrogenase, production, purification 1899.
vitamins biosynthesis 1978.

Pseudomonas toliassil,
attachment, Agancus bisponus, scanning electron microscopy, blight 3051.
blotch, symptoms, pathogenesis, experimental infection 1293.

Pseudomonas toliassil,
attachment, Agancus bisponus, scanning electron microscopy, blight 3051.
blotch, symptoms, pathogenesis, experimental infection 1293.

Pseudomonas toliassil,
attachment, Agancus bisponus, scanning electron microscopy, blight 3051.
blotch, symptoms, pathogenesis, experimental infection 1293.

Pseudomonas vidiffava,
role, crown rot, root rot, Medicago sativa, wilt, Lotus corniculatus 6744.
Pseudomonas vulgaris disease resistance, 5815.

Pseudomonas vulgaris disease resistance 1358.
downy mildew, disease resistance, Cucumis sativus 8609.
downy mildew, disease resistance, Cucumis sativus 8609.
downy mildew, disease resistance, Cucumis sativus 8609.
downy mildew, disease resistance 752.
Pseudoperonospora humuli,
downy mildew, epidemiolidy, weather, Humulus humuli 3087.
downy mildew, epidemiolidy weather, Humulus humuli 3087.
downy mildew, delicago sativa 5670.
leatspot, Medicago sativa, USA, Wyoming 9330.
Pseudorables Virus,
artibodies virus,
artibodies virus,
artibodies virus,
artibodies pigus service decenting the control of the

leasispot, Medicago sativa, USA, Wyoming 9330.

Pseudorables virus,
antibodies, pigs serum, detection, immunodiffusion 5374.
antibidies, pigs serum, detection, immunodiffusion 5374.
antibidies, pigs serum, detection, immunodiffusion 5374.
antibidies, 8077.
electron microscopy, dipyridamole, effects on 3356.
inactivation, antibiral activity, halides 3353.
infection, BHK2 cells, antiviral activity,
9-(2-hydroxyethoxymethyliguarine+amphotericin B 3351.
susceptibility, a-interferon 6074.
Pseudotsuga,
exudates, yeasts isolation, identification, host specificity 2295.
root rot, mortality, forests 5075.

Pseudotsuga menziesil,
brown rot, Fibroporia angulopora sp.nov. 8650.
damping-off, Fusarium oxysporum, transmission (seed) 4149.
decomposition, nutrient dynamics, introgen fixation, nitrogen-fixing bacteria
516
developmental stages, relationship, infectivity, Phaeocryptopus gaeumannii,

decomposition, nutrient dynamics, nitrogen fixation, nitrogen-fixing bacteria 516
developmental stages, relationship, infectivity, Phaeocryptopus gaeumannii, needlecast, USA, Washington 6928
ectomycorrhizas detection association, +Pterdium aquilinum undergrowth 4191, growth, mycorrhizas, sole properties effects on, prompt 520.
Laccaria laccata, effects on, growth 532.
mycorrhizas, New Zealand 7774, needle cast, Rhabdocline 536, needlecast, Rhabdocline 536, needlecast, Rhabdocline 536.
needlecast, Rhabdocline pseudotsugae, chemical control 2312.
Orgyia pseudotsugata, biological control, nuclear polyhedrosis virus 8352.
Phaeocryptopus gaeumannii indection, Canada 7785.
Phaeocryptopus gaeumannii indection, Canada 7785.
Phaeocryptopus gaeumannii needlecast, disease control, aerial applications, chlorothalonii, USA, Washington 6879.
Phellinus weirii infection, treatment, furnigants 454.
Phaeocryptopus gaeumannii needlecast, furnigants 545.
Phaeocryptopus gaeumannii needlecast, furnigants 545.
Phaeocryptopus gaeumannii perdenti, furnigants 455.
Phaeocryptopus gaeumannii needlecast, furnigants 545.
Phaeocryptopus gaeumannii needlecast, furnigants 545.
Phaeocryptopus gaeumannii needlecast, furnigants 455.
Phaeocryptopus gaeumannii needlecast, furnigants 545.
Phaeocryptopus gaeumannii needlecast, furnigants 545.
Toot 101, Filialinus weirii 5458.
Toot 10

Pseudowintera colorata, polygodial biosynthesis, antifungal activity, Candida albicans 688. Psildium,

incidence, Azospirillum, rhizosphere microorganisms, tropical environment 7853. Psila rosae, biological control, Entomophthorales, field trials 9210.

Psophocarpus tetragonolobus, cucumber mosaic virus isolation, characterization, USA, Florida 1125. Phytophthora megasperma var.sojae soil isolates 432.

induction Petroselium hortense cell culture, fungi infection 5765.

Psoraien, induction Petroselium hortense cell culture, fungi infection 5765.

Psorophora columbiae, biological control, Bacillus thuringiensis subsp.israelensis, paddy fields, Oryza sativa 6597.

Psychrophilic bacterla, spoilage, potatoes, vacuum packaging, nitrogen packaging 4883.

Psychrotrophic bacterla, analysis, milk products 6685. assays, comparison methodology, milk 1073. cheese production yield, effects on 4788. contamination, ream, pasteurization 8499. contamination, ripase, butter, off flavor 209. contamination, milk, buffaloes 7578. dairy products, heat resistance, incidence, identification 4814. enumeration, bed carcasses, chilling effects on 8476. food contamination, cice cream 7567. food contamination, milk, dairy products, reviews 226. glycosidases biosynthesis 5516. growth, inhibition, Lactiobacillus lactis+potassium sorbate, milk 7579.

Puccinia hordei, (continued) spores, counting methods, spectrophotometry, I.R. radiation 3634. Puccinia horiana, Psychrotrophic bacteria, (continued)
growth, milk, dissolved oxygen, cold storage 239.
growth, milk, storage 9273.
jipase inactivation, pasteurization, milk 263.
spoilage, fermented milk products, preservation, hydrogen peroxide+thiocyanic
acid 6685. rust, Chrysanthemum 2204. rust, disease resistance, Chrysanthemum 8609. Puccinia melanocephala, |Puccinia melanocephala, |eaf rust pathogenesis, Saccharum officinale 5716, rust, pathology, Saccharum 1176, rust, Saccharum, overwintering, USA, Mississippi 3016. acio coss., spoilage, meat, organoleptic properties 2038. Psychrotrophic microorganisma, analysis, milk products 6665. role, tanis, food 2909. Pteridium aquillnum, Assochyte netridium, leaves lesion, meaning and products are products and products and products and products and products a Puccinia menthae, infection, Mentha, rust, pathogenicity, host specificity 431. recreation adulinum, haves lesions, measuring techniques, computer applications, video image analysis 4924. undergrowth, Abies concolor, Pseudotsuga menziesii, detection, ectomycomhizas association 4191. infection, Mentha, rust, pamogenicity, nost specificity 451.

Pucchia polysora,
rust, Zea mays, incidence, relationship, weather, USA, Indiana 6765.

Zea mays rust, pathogenesis 1168.

Pucchia pseudechinolaenae,
Poaceae, Africa, East 9365.

Pucchia recondita. Pteridophyta, vesicular-arbuscular mycorrhizas, morphology 2327. Ptychodera flava, ptychodera flava, antimycrohial activity 7956. Poucoin recondita, leaf rust, disease resistance, genetic variance, Triticum aestivum 1161. leaf rust, disease resistance, genetic variance, Triticum aestivum 370. rust, Gramineae, reproduction, genetic variance 1160. uredima, growth rate, association, Triticum aestivum leaves 6748. Pucchia recondita lagoriti rustingal activity, prazoce derivatives 6875. leaf rust, disease control, triazburyl, Triticum aestivum 506. leaf rust, disease control, triazburyl, Triticum aestivum 3932. leaf rust, triticum aestivum 606 inaf rust, disease resistance, plant breeding, cultivars, Triticum aestivum 3932. leaf rust, triticum aestivum disease resistance, genetic control, computer applications, USA, North Dakota 7730. rust, interaction, barley yellow dwarf virus, Triticum aestivum, pathology 344. brown rust, susceptibitify, Triticum aestivum 3006. pucclia striitormis, plant diseases, staining methodology 6730. metabolites excretion, antimicrobial activity 7956

Public health, ublic health, togos, Columba, Cryptococcus neoformans association contamination 4457. Jamaica, Vibrio, pathogenicity, Crassostrea rhizophorae 8968. man, airbone microorganisms, fungi infection, wood, burning effects of 4454. man, bacteria contamination, lettuce juices 4792. man, contamination, lodo, water, sewage 5295. man, sewage sludge, viruses, bacteria 7192. microbial pollution, wells, man, coliforms, Nigeria 8067. surveys, meat contamination, Campylobacter fetus subsp.jejuni, Salmonella 1081. fucchia. Puccinia, uccinia, infection, vegetables, plants, disease control 2267. leaf rust, Gramineae, disease resistance histology 2264 rust, Gramineae, monitoring, weather satellites 1166. rust, Gramineae, reproduction, genetic variance 1160. Pucchia striitormis, plant diseases, staining methodology 6730. spores, counting methods, spectrophotometry, I.R. radiation 3634, stripe rust, disease control, sprays, Trificum aestivum 5722. stripe rust, disease resistance, Trificum, genetic analysis 1344, stripe rust, epidemiology, statistical analysis, Trificum aestivum 2125. stripe rust, Trificum, germplasm screening, field trials, disease resistance development, India 5726, stripe rust, yield, Trificum aestivum 1165. Pucchia tritletina, rusts, disease resistance, inheritance, Trificum aestivum 2255. Pullular Puccinia andropogonis,
Poaceae, Africa, East 9365.
Puccinia arachidis, inoculation, Arachis hypogaea, host plants genotypes effects on urediniospores 5683
rust, Arachis, disease resistance 4082.
rust, disease resistance, Arachis hypogaea 4083.
rust, disease resistance, cultivars screening, Arachis hypogaea 9475.
rust, disease resistance, cultivars screening, Arachis hypogaea 9475.
rust, survival, Arachis hypogaea, pathology 5679.
Pucclinis corronata,
crown rust, disease resistance, plant breeding, Festuca arundinacea 448.
crown rust, Lollum, pathology 6788.
infection, Lolium perenne, Lolium multiflorum, incidence, British Isles 5721,
pathogenicity relationship, sexual reproduction, asexual reproduction, Rhamnus
cathartica 9338. Pullulan, Aureobasidum pullulans, biosynthesis, fluoracetic acid effects on 6571. biosynthesis, Aureobasidium pullulans, colchicine induction 8336. production, Aureobasidium pullulans, factors affecting 2816. Pullulanase, biosynthesis, Bacillus stearothermophilus 5509. extracellular enzymes, inducers, Enterobacter aerogenes 3680. yeasts, production 3691. cathartica 338.
rust, Gramineae, reproduction, genetic variance 1160.
rust, Gramineae, reproduction, genetic variance 1160.
rust, Gramineae, reproduction disease resistance genes 5035.
virulence, Avena sativa, association disease resistance genes 5035.
virulence, Avena sativa, associatione 6810.
Pucclina coronata 1.ap.avenae,
crown rust, Avena sativa, protein biosynthesis 3952.
crown rust, disease resistance, phytoalexins, Avena sativa 1353.
haustoria, interaction, Avena sativa, cells, ultrastructure 2136.
rust, interaction, barley yellow dwarf virus, Avena sativa, pathology 344.
virulence, Avena sativa 3942.
Pucclina coronata 1.ap.10III,
crown rust, disease resistance, Loilium perenne, Lolium multiflorum 4079.
Pucclina glanthi,
rust, disease resistance, Dianthus caryophyllus 8609.
Pucclina graminia, Pulp, fungi treatment, effects on paper 896. wood, hydrolysis, Trichoderma reesei cellulase 9256. wood, nydrolysts; triesostemus, public properties and seed of the propertie industrial effluents, wastewater treatment, environmental effects, bibliographies industrial effluents, wastewater treatment, fungi 6245. industria emuents, wastewater rearment, rungi 10c40.

Putee radiotyals,
superoxide dismutase kinetics, Paracoocus dentrificans 6540.

Pumpkin mosale virus,
effects on, primary production, Cucurbita maxima 2196.
infection. Cucurbita maxima, transmission (horizontal), Aphis craccivora vectors
infection. Cucurbita maxima, transmission (horizontal), Puccinia graminia, glucose assimilation 2388 plant diseases, host-pathogen interactions, epidemiology, genetic factors, books rust, disease resistance, Dactylis giomerata, screening, phenotypes, genotypes 6856.

stem rust, disease resistance, genetic analysis, Triticum aestivum 1348. Triticum seism rust, disease control, Barbens vulgaris eradication, USA 1389.
Puccinal graminal f.ap.avenee, stem rust, Avena sativa, vrulence 9352.
stem rust, epidemology, Avena sativa, USA, Texas, Mexico 4962.
Puccinal graminal f.ap.actylidis, stem rust, genetic analysis, Dactylis glomerata 357.
Puccinal graminal f.ap.actylidis, stem rust, genetic analysis, Dactylis glomerata 357.
Puccinal graminal f.ap.artifici, races, stem rust, overwintering, Triticum aestivum, USA, Texas, Mexico 4961.
races, virulence, stem rust, Triticum aestivum, USA, Texas, Mexico 4961.
races, virulence, stem rust, Triticum aestivum, genetic factors 3125.
rust, disease resistance, Triticum aestivum, genetic analysis 453.
stem rust, disease resistance, role proteins metabolism, Triticum aestivum 4075.
stem rust, disease resistance, ricicum aestivum, genetic control 7731,
stem rust, disease resistance. Triticum aestivum, genetic control 7728.
stem rust, disease resistance. Triticum aestivum 3941.
stem rust, disease resistance. Triticum aestivum, genetic control 7728.
stem rust, traiem aestivum, disease resistance, Hungary 7735,
stem rust, Triticum aestivum, disease resistance, Hungary 7735,
stem rust, urulence gene frequency. Triticum aestivum 5041.
rust, disease resistance, germplasm screeining, Helianthus annuus 4064.
Puccinia helianthi,
rust, disease resistance, germplasm screeining, Helianthus annuus 4064.
Puccinia hendeli. rust, disease resistance, Dactylis glomerata, screening, phenotypes, genotypes Punica granatum, leaf blotch, fruit rot. Coniella granati, Pestalotropsis versicolor 7680. Pure culture,
Bacteroides fragilis, Escherichia coli, metronidazole antibacterial activity 2447 2447.

Cronartium ribicola hyphae, inoculation, Pinus lambertiana hypocotyls 542.

hybridization, yeasts, wine production 140.

rumen microorganisms, carbohydrates effects on cellulose digestion 8425,

yeasts, hybridization selection, wine fermentation, sulfur dioxide tolerance 147. biodegradation, Enterobacter cloacae, aerobic conditions 3794. biosynthesis, host-parasite interactions, bredinin antimalarial activity, man 1589. metabolism, dogs, nutrient sources, microorganisms single-cell protein 3851. metapoiism, oogs, norsen sootoo.

Puromycin,
resistance, enhancement mechanisms, genetic analysis, Escherichia coli 7894.

Purple blotch,
Alternaria porri, incidence, Allium cepa, hybrids, cultivars, Brazil 7713.

Purple membranes,
bacteriorindopsin, photochemistry, I.R. spectroscopy, Halobacterium halobium

4554. bacteriorhodopsin, secondary structure, C.D., Halobacterium halobium 6393. retinal-binding protein purification, characterization, bacteriorhodopsin deficient mutant, Halobacterium halobium 4561. Purple spot, Stemphylium vesicarium, pathology, Asparagus officinalis 1296.
Putldamonooxin,
sodium dithionite reduction kinetics, Pseudomonas putida 2790.
Putldamonooxin-NAD reductase, rust, disease resistance, germplasm screeining, Helianthus annuus 4064 Puccinia hordel, sodium diminione reducinos inseries, Pseudomonas punda 2/90 Putidamonoxin-NAD raductase, putidamonoxin reduction kinetics, Pseudomonas putida 2790. Pycnoporus anguineus, serine carboxypeptidase, purification, characterization 6503. Infection, Hordeum, haustoria formation 2133. leaf rust, disease resistance, association colonies abortion, Hordeum vulgare 4057 4057.

leaf rust, Hordeum, disease resistance genes, histology 2265.

leaf rust, virulence, Hordeum vulgare 2121.
pathogens, disease resistance, association, Hordeum spontaneum fertility 6759.

plant diseases, Tritcum, disease control, fungicides 5830.

rust, disease resistance, Hordeum vulgare, Pa gene 1349,

rust, interaction, barley yellow dwarf virus, Hordeum vulgare, pathology 344. serine carroxypephraase, pullification, Pyocine typing, Pseudomonas aeruginosa, nosocomial infection clinical isolates 1781 Pyocins,
Pseudomonas aeruginosa, antibacterial activity 8920.
punfication, characterization, Pseudomonas aeruginosa 2574.

Pyrazinamidase, assays, pyrazinamide drug resistance, Mycobacterium tuberculosis 9638. Pyrazinamide,

Pyrazunamice,
drug resistance, Mycobacterium tuberculosis, clinical isolates. Korea Rep. 9656.
drug resistance, pyrazınamıdase assays, Mycobacterium tuberculosis 9638.
drug sensitivity testing, Mycobacterium intracellulare, infection, monkeys,
clinical aspects 4285.

Pyrazoyloluslifdea,
antifungal activity, phytopathogenic fungi 6875.

Pyrazoylolus

Antiungal activity, tolerance, Ampelomyces quisqualis 1401.

use, ornamental plants disease control 5056.

Pyrenochesta lycopersicl,
corky root, Lycopersicon esculentum 1264.
root rot, fungicides disease control, Lycopersicon esculentum, Solanum melongena 5877 6872.

Pyrenochaeta terrestis,
experimental infection, effects on, yield, Allium cepa 2191.

lieal stripe, seed treatments, Hordeum vulgare 1435.

Pyrenophora teras, infection, defense mechanisms, leaves, Avena sativa 1356. infection, defense mechanisms, leaves, Avena sativa 1356. infection, defense mechanisms, leaves, Hordeum vulgare, seeds 1430. net blotch, Hordeum vulgare, fungiose sificats on 7770. pathogens, disease resistance, association, Hordeum spontaneum fertility 6759. Pyrenophora teras f.ps. maculata.

Pyrenophora teras f.ps. maculata.

Pyrenophora tribugare 7732.

Pyrenophora tribug

pricularia oryzee, antifungal activity, N-benzyldithocarbamic acid derivatives 9678. antifungal activity, N-benzyldithocarbamic acid derivatives 9678. antifungal activity, 3-aryl-2-aryllmino-4,5-disubstituted-Δ⁴-thiazolines 4318.

4318.

blast, cultural characteristics, relationship pathogenicity, Oryza sativa 5699.

blast, epidemiology, relationship, meteorology, Oryza sativa 1182.

blast, fungicides disease control, Oryza sativa 8630.

blast, fungicides disease control, Oryza sativa 8630.

blast, fungicides resistance, measuring techniques, in vitro 7892.

blast, Oryza sativa, antifungal agents effects on pathogenesis 5827.

blast, Oryza sativa, environmental conditions effects on pathogenesis 1169.

blast, Oryza sativa, environmental conditions effects on pathogenesis 1169.

blast, Oryza sativa, environmental conditions effects on pathogenesis 1169.

blast, Oryza sativa, environyegenase, biodegradation IBP 5590.

host-parasite interactions, Oryza sativa, phytoalexins, isolation, identification

EXPLAIG

leafsot, hypersensitive response, lesions, Oryza sativa 5039.
Pyricularia pennisett,
leafsot, Pennisetum typhoides, air spora, analysis 4000.
Pyridine nucleotide transhydrogenaes,
multiple forms, oxygen effects on, Azotobacter vinelandii 6405.

Pyridines,

rynums, coenzymes, biosynthesis, Aspergillus 3689.

Pyrtdonecarboxylle acid, derivatives, antibacterial activity 5190.

derivatives, antibacterial activity, Pseudomonas aeruginosa, Enterobacteriaceae

7086.

Pyridoxaf 5'-phosphate,
binding tryptophan synthase, N.M.R., Escherichia coli 4628,
chemical modification, glutamate synthase (NADPH), Escherichia coli 5488.

Pyridoxamineshoephate oxidase,
amines activation, mechanisms, yeasts 6553,
purification, characterization, Saccharomyces cerevisiae 942.

purtication, characterization, Saccnaromycos cerevisiae 942.

Pyridoxine,
bioassays, Kloeckera brevis, Saccharomyces uvarum 2717.

(2-Pyridylthio)methyl benzoete N-oxides,
artifungal activity, Alternaria solan, Phytophthora infestans 5204.

Pyrimidine nucleoside,
phosphorus analogs, cytidine dearminase inhibition, Escherichia coli 69.

Pyrimidines,
biosynthesis oluconimycin inhibition, Bacillus subtilis 8014.

biosynthesis, gluconimycin inhibition, Bacillus subtilis 8014. biosynthesis, Neisseria meningitidis, enzymes activity 8340. biosynthesis, Neisseria meningitidis, enzymes regulation 8341.

Pyrite,
Thiobacillus ferrooxidans oxidation, solubilization, iron valency 8709.

Pyrogallol, production, Citrobacter, gallate decarboxylase 3731.

Pyrotacses, mycorrhizas, ecophysiology, nutrient transport, absorption, nitrogen sources, mycormizas, ecophysiology, numerit transport, absorption, mitogen sources, phosphate 9538.

Pyrolyale, activated sludge 4449.
bacteria, mass spectrometry, association, identification 3610.

2-Pyrone-4,6-dicarboxylic acid, biosynthesis, Pseudomonas testosteroni, gallic acid catabolism 1849.

1-Pyrrollne-5-carboxylata dehydrogenase, + proline dehydrogenase purification, characterization, Pseudomonas aeruginosa

1908

Pyrroline-5-carboxylate reductase, gene mapping, protein biosynthesis, purification, Escherichia coli 1830.

Pyrrolintrin,

production, Myxococcus fulvus, physicochemical properties 1653.

Pyrrolo-quinoline semiquinone, role alcohol dehydrogenase (acceptor) mechanisms, R.S.R., Hyphomicrobium 2789. Pyrus,

Erwinia amylovora isolation, characterization 419. fireblight, Erwinia amylovora, bactericides, disease control 1207. Pyrus communis,

decline, pathology, etiology 3024.
scab, Venturia pinna, disease control, urea, fenarimol, baycor 1395.
stem rot, Alternaria alternata, association, benomyl, disease control, blue mold,
Penicillium expansum 3973. Pyruvate.

leveis, effects on 1-hydroxy-1-phenylpropanone, production, Saccharomyces carlsbergensis 7501.

Pyruvate carboxylase,
Aspergillus nidulans, localization methodology 8321.

purfication, characterization, kinetics, Pseudomonas deovorans 6454.

Pyruvate decarboxylase,
activity, 1-hydroxy-1-phenylpropanone production, Saccharomyces carlsbergensis 7501.

experimental infection, effects on, yield, Allium cepa 2191.

Pyrenochaeta terreatria, pink root, Allium cepa, new records, Sudan 1277.

Pyrenochaeta, new records, Metrosideros collina subsp.polymorpha infection, pathogenicity 4147.

Pyrenochaeta brasalcae, leatispot, fungicides, disease control, Brassica olearacea 2276.

Pyrenophora broni, brown spot, disease resistance, Bromus inermis 9458.

Pyrenophora gramines, infection, characterization, Bromus inermis 9458.

Pyrenophora gramines, infection, characterization, heat treatments, Hordeum vulgare 1435.

Pyrenophora teres,

Activity, 1-inyoruxy-1-phientypynopharation dassociation, characterization, association, ethanol production 4847.

Pyrenophora teres, production 4847.

Pyrenophora gramines, infection, characterization, hinderication, characterization, heart treatments, Hordeum vulgare, seeds 1430.

Isal stripe, seed treatments, Hordeum vulgare 1435.

Pyrenophora teres,

Pyrenoph

Pyrturate Kinase, binding ADP, phosphoenolpyruvate, fructose-1,6-diphosphate, valine, Neurospora crassa 1931.

crassa 1931. Isoenzymes, purification, characterization, Escherichia coli 6422. purification, characterization, Streptococcus lactis 6421. Streptococcus sanguis, purification, activity 2778. variants, purification, characterization, Neurospora crassa 5495. Pyruvic acid, biosynthesis, Debaryomyces coudertii, Citrus extracts fermentation 1822. effects on Lactobacillus, production, acetoin, 2,3-butanedione 4721. electrodes, use, Streptococcus faecium 8119.

production, propylene glycol conversion 3652. production, Schizophyllum commune 3650.

Pyruvic oxime, denitrification, Alcaligenes, nitric-oxide reductase, nitrate reductase, soil Pythium,

amtifungal activity, metalaxyl 491. antifungal activity, propamocarb, disease control, Lycopersicon esculentum 502. blight, pathology, Gramineae, turtgrass 5714. blight, Phaseolius vulgaris, disease control, metalaxyl 9493. confamination, association, Phytophthora megasperma f.sp.glycinea, isolation

methodology 589.
infection, Gramineae, fungicides treatment 4114.

infection, Gramineae, fungicides treatment 4114.
infection, plants seedlings, greenhouses, damping-off 1285.
plant diseases, roots, crops, greenhouses, USA, North Carolina 9411.
root rot, Phaseolus vulgaris, incidence, USA, Wisconsin, loisassays 3923.
rot, biological control, association, Pseudomonas antagonism, Trichoderma hamatum, ativum seeds 5820.
rot, biological control, Enterobacter cloacae seed treatments, Beta vulgaris, Cucumis sativus, Pisum sativum 9481.
soil-borne diseases, Gossypium hirsutum seedlings 1266.
source, dispersal, soil, greenhouses 3898.
Pythlum aphanidermatum, inoculum density, Beta vulgaris, crop fields, irrigation, USA, Arizona 426.
Pythlum aphanidermatum, antifungal activity, quintozene 5062.
culture fitrates, Biddens pilosa tissue culture, 1-phenylhepta-1,3,5-triyne accumulation 5754.
damping-off, Brassica seedlings, new records, Singapore 1259.

accumulation 5754.
damping-off, Brassica seedlings, new records, Singapore 1259.
damping-off, Integrated control, herbicides, fumigation, crop rotation, soil furnigation, Cucumis sativus 9473.
fruit rot, Benincasa hispida, pathogenesis 3099, pathogenicity, soil-borne diseases, Euphorbia lathyris 5002.
phytotoxins, isolation, biochemical analysis, characterization 1098.

Pythium apleroticum, decomposition, leaf litter, Nymphoides peltata 5070.

decomposition, leaf litter, Nymphoides peltata 5070.

Pythium diclinum,
decomposition, leaf litter, Nymphoides peltata 5070.

pythium intermedium,
intection, Pseudotsuga menziesii roots, incidence 4162.

Pythium irregulare,
antitungal activity. N-benzyldithiocarbamic acid derivatives 9678.
damping-off, integrated control, herbicides, nematicides, crop rotation, soil
fumigation. Cucumis sativus 9473.
infection, Avena, Gaeumannomyces graminis suppression, soil, effects on 3205.
infection, Gramineae, Gaeumannomyces graminis suppression, soil, effects on 3207.

Pythium marisipium,
decomposition, leaf litter, Nymphoides peltata 5070.

Pythium myriotylum,
disease resistance, germplasm, Arachis hypogaea 9474.

disease resistance, germplasm, Arachis hypogaea 9474. pod rot, Arachis hypogaea, metham sodium disease control 1411.

Pythium pieroticum, decomposition, leaf litter, Nymphoides peltata 5070.

Pythlum splenders,
Brassica actinophylla seedling blight, etiology, disease control, USA, Hawaii

4996. uppression, germination, growth, pasture soil 9551.

Pythium utilimum, role, Gliocladium virens, gliovirin 5831 biologial control, role, Gliocladium virens, gliovirin 5831 bight, Agrostis palustris, predictions, climatic conditions 9382, damping-off, etiology, disease control, Cicer arietinum 3911, damping-off, inhibition, Agrobacterium radiobacter Polysaccharides seed

Pythium ultimum, (continued)
treatments, Beta vulgaris 7710.
inoculum density, relationship, Glycine max damping-off 348.
population dynamics, growth, soil, water potential 4228.
root rot, dinoseb, treatment, Phaseolus vulgans 1387.
root rot, interaction stem rot, Rhuzoctonia solani, Pisum sativum 9328
stem rot, wounds healing, cuttings, Pelargonium 5745.
virulence, Phaseolus vulgaris, comparison Aphanomyces euterches f.sp.phaseoli abolis, animal models, immunogenicity, Leptospira interrogans vaccines 3455 animal models, pencycuron toxicity. Mammalia 3155. ileum, Escherichia coli enterotoxins assays 310 immune serum, immunoglobulin G antibody response, Bacillus anthracis, enzyme immunoassay detection 855. Rabies, vaccines production, diploids cell culture 8922. vaccines production, diploids ceil culture 0922.

Rables Virus, methisoprinol, BHK-21 cells 7100. antiviral activity, methisoprinol, BHK-21 cells 7100. antiviral agents effects on replication 6068. glycoproteins analogs gene expression, Escherichia coli 8046. purification, centrifugation 3522. vaccines production, BHK cells 7190. Quality control, affatoxins contamination, peanuts 2940 antibiotic sensitivity testing, agar diffusion test 713 antibiotic sensitivity testing, norfloxacin 9672. bacteria, contamination, milk 4834. use enzyme-linked immunosorbent assay 820. Racemization, siderochelin A 1651 Radiation, antibiotic sensitivity testing, norfloxacin 9672. bacteria, contamination, milk 4834. batch culture, Saccharomyces cerevisiae, population dynamics 3818. clinical microbiology, laboratories 710. clinical microbiology, laboratories 710. clinical microbiology, laboratories 710. disc-diffusion test, antibiotic sensitivity testing 2514. feeds contamination, microorganisms, toxins 4862. food contamination, microorganisms, toxins 4862. food contamination, procedure of the sensitivity testing 2514. feeds continuing the sensitivity testing 2514. feeds contamination, bacteria, fungi, molds 7212. moxialcatan, disc-diffusion test, antibiotic sensitivity testing 9745. plants pathogens, seed-borne diseases, assays 2968 seafood, reszurin test, food contamination, bacteria, viruses 5229. water, microbial pollution 4452. Quaternaria quaternata, infection, association Phylliaphis fagi outbreaks, Fagus 3166. Quaternary ammonium compounds, antivirus distribution, hand, man 816, teat dips, autibiacterial activity, disease control, mastitis, cattle 1728. Quazatine, sessitance, Pencillium talicium, New Zealand 7880. chickens carcasses, effects on food contamination, Enterobacteriaceae, Salmonella 478b. detoxification, endotoxins, lipopolysaccharides, bacteria 6728. disinfection, feeds, microorganisms distribution 7605. electrons, disinfection, sewage sludge 8927. electrons, disinfection, sewage sludge 8927.
immobilization methodology, Aerobacter aerogenes exo-maltohexaohydrolase 9177.
polymerization, immobilization, Streptomyces phaeochromogenes 9976.
polymerization, use, Trichoderma resea immobilization 7262.
solis (loam), effects on survival, mycorrhizas 1481.
treatment, association, ce cream production, pistachios contamination, microorganisms 4838. treatment, meat, Salmonella control, reviews 8481 rearment, meat, Samonella control, reviews 6461.

Radiation, B1 detoxification, mutagenicity testing 3879, damage, Vibrio, antibiotics resistant mutant effects on 6026.

Radiation, Habitation, effects on chickens feeds, disinfection, storage 8492, effects on cytokinins, mushrooms, food spoilage 3816. + heat treatments+chemicals, control, Rhizopus nigricans post-harvest decay, tomatoes 2237. Quazatine, resistance, Penicillium italicum, New Zealand 7880. tomatoes 2237.
Inactivation, viruses, laboratories, effluents 790.
Induction mutants, Lactobacillus bulgancus, Lactobacillus casei, milk, acid production, proteolytic enzymes activity 8200.
pathogens reduction, disinfection, sewage sludge 8935.
phage A mutagenesis 1580.
pretreatment, bagasse, cellulase production, Trichoderma reesei 8449.
stenilization media (culture) equipment 707.
stenilization, medical importance 9707.
stenilization, milk 8496. resistance, remember 200 per communication of the c zerson mortality, Hypoxylon atropunctatum canker, association drought 5074, seedlings, Cronarium quercuum f. sp. fusiforme rust, aeciospores inoculum 544, wilt, epidemiology, disease spread 1462, wood, extracts, inhibition, Hyphomycetes, growth, spore germination 4180. iruses proteins radioactive labelling, methodology 1761. v-Radiation. wood, extracts, linkitition, Hyphomycetes, growth, spore germination 4180.

Quercus alba,
Inonotus dryophilus white rot, decay association 5880

Quercus lanuglnosa,
Tuber melanosporum fruit bodies production, fertilization, irrigation 6899.

Quercus macrocarpa,
Inonotus dryophilus white rot, decay association 5880.

Quercus robur,
decay fungi, Basidiomycetes, ecological distribution 4158.
forests, fungi, Basidiomycetes, ecological distribution 4158.
forests, fungi, plant diseases, mortality, pollution effects, air pollution 6926.
frost damage, association Bjerkandera dausta decay 6921.
roots, wood, Basidiomycetes decomposition, population dynamics, nutrient cycles
5861. Allium cepa seeds, effects on white rot incidence 1426. Radioactivity, Radioactive labelling, measuring techniques, enzyme-linked immunosorbent assay 8098. Radioassays, Rhizobium meliloti polysaccharides 3589. Radiolmmunoassay, amatoxin, Amanita 2954 amatoxin, Amantia 2954, anhibiotics, body fluids 9724. comparison enzyme immunoassay, detection, hepatitis B surface antigen 7220. coxsackievirus B4, coxsackievirus B5, antigens cross-reactivity 8099. detection, antibodies, mouse hepatitis virus 7232. detection, Bordetella perfussis antibodies, cattle 1789. detection, aclicivirus, feces 9847. detection, hepatitis B surface antipen, coagulation, inhibition 828. detection, hepatitis B surface antigen, coagulation, inhibition 828. detection, immunoglobulin G, cytomegalovirus 5375. detection, immunoglobulin G, cytomegalovirus 5375. detection, surcella-zoster virus 6294. diagnosis, brucellosis, cattle 4485. Fibria virus 3540 oot; vood, decomposition, Basidiomycetes 5861. wood, decomposition, Basidiomycetes, spatial distribution 5860. Quercus rubra, lorests, fungi, plant diseases, mortality, pollution effects, air pollution 6926. frost damage, association Bjerkandera adusta decay 6921. Coercus externals, root rot, Philocotonia soleni, growth conditions 6915.

Cuercus evetufina, coercus evetufina, seedings, water relations, water potential, ectomycorrhizas, Pisolithus intotionus 9568 diagnosis, brucellosis, cattle 4485. Ebola virus 3540. hepatitis B surface antigen, standardization 3526. interferon antivirual activity 1759. leprosy, epidemiology, man 848. measles virus 6289 neocarzinostatin 9202. Ouercus virginiana,
Ceratocystis fagacearum decline, carbohydrate analysis 1456.
Culliaja saponaria,
leaf litter, decomposition, soil microorganisms, nitrogen cycle 2362. neocarzinostatin 9202.
serum levels, gentamicin, clinical aspects 3413.
solid phase methods, detection, Mycoplasma pneumoniae antibodies 9870.
solid phase methods, Escherichia coli lipopolysaccharides 9296.
solid phase methods, hepatitis B surface antigen, factors affecting 821.
solid phase methods, sopbean mosaic virus detection. Glycine max seeds 5368.
solid phase methods, Staphylococcus aureus enterotoxin C 9295.
solid phase methods, Staphylococcus aureus enterotoxin C 9295.
solid phase methods, Staphylococcus aureus enterotoxin C 9295.
solid phase methods, Staphylococcus aureus entered side 1316.
Vibrio cholerae toxins, Escherichia coli enterotoxins 9294.
woodchuck hepatitis virus detection, hepatitis B virus antigens, antibodies cross-reactivity use 9861. Quinazoline, derivatives, antifungal activity 9490
Quinazolinones, antibacterial agents 5186.

Quinazolones,
antifungal activity 2476.

Quinidine, nversion, Hansenula anomala var.schneggii 6647. cross-reactivity use 9861 zearalenone 2066. s, BAY 09867, antibacterial activity, bacteria, clinical isolates 5171. RadioImmunosorbent test, detection, lettuce mosaic virus, Lactuca sativa seeds 1754. propionic acid treatment, feeds preservation, fungi biodegradation 5630 4-Quinolinols, Radiometry, detection, Mycobacterium 9933. Synthesis, bicides 5224.
 Quinolones,
 M.K. 0366, antibacterial activity 6055.
 derivatives, antibacterial activity comparison 8761. immunoassáys, detection poliovirus antibodies 1758. measuring techniques, Mycobacterium fatty acids metabolism 837. Mycobacterium detection 9926. Mycobacterium detection 9926.

Radioresistance,
Micrococcus isolation, poultry, environmental effects 202.
mutants, Bacillus subtilis, Bacillus thuringiensis var.galieriae, isolation, characterization 7027.
Pichia guilliermondi, serotonin effects on 7025.
U.V. radiation, Aureobasidium pullulans, ploidy effects on 2395.

Radiorespirometry,
methodology, sulfate-reducing bacteria, antibacterial agents evaluation 6320.

Radiosensitivity,
Aspergillus versicolor, association food contamination 8787, interaction cadmum antibacterial activity. Escherichia coli. 7915. Quinone, conversion quinidine, Hansenula anomala var.schneggii 6647. Quinones,

Aspergillus velsuculor, association rood contamination 9797, interaction cadmum antibacterial activity, Escherichia coli 7915.

Radiosensittzation, —
p-hydroxybenzoic acid, Staphylococcus aureus 5173, toxicity, misonidazole, m-AMSA, effects on, Escherichia coli 666.

(4R,6R)-(+)-6,8-0xidomenthi-en-9-oi, production, Streptomyces bottropensis, (-)-cis-carveol conversion 3732.

nutrozene, antifungal activity, Pythium aphanidermatum 5062. effects on ultrastructure, Mucor mucedo, Phytophthora cactorum 4124. + ferbam, disease control, Fusarium oxysporum, bulbs, Lilium 1427. resistance, growth rate, Rhizoctonia solani 4268.

derivatives, Echiumlycopsis cell culture, antibacterial activity 673

Quintozene,

Radish mosaic virus, infection, Cruciferae 3082. infection, susceptibility, Raphanus sativus 9436.

Radishes. refrigeration, nitrate-reducing bacteria growth 3836.

Radium,

adsorption, microorganisms biomass wastes quantification 9828.

riani norbeus, controgen fixation, denitrification 2307.

Rain water,
Pseudomonas syringae dissemination, Prunus cerasus, monitoring methodology 6785. Reduching sugars,
dintrogenase, E.S.R., Desulfovibrio gigas 4634.
nfrogenase, Azotobacter vinelandii 9162.
Reduching sugars,
dintrogenase, distriction autority of the control of the con

effects on, pathogenesis, Phytophthora parasitica var.nicotianae, black shank, Nicotiana tabacum 3050. Pseudocercosporella herpotrichoides, spores dispersal, disease spread, eyespot, Triticum aestivum 5727

eudocercosporella herpotrichoides, spores dispersal, isolation, soil 5921

Pseudocercosporella herpotrichoides, spores dispersal, isolation, soil 5921.

Rainfall levels,
acidity, effects on nutrient balance, soil microorganisms 9514.

Ramalina farinacea,
variolaric acid biosynthesis 3649.

Raman spectroscopy,
azurin, coordination geometry, copper active sites, Pseudomonas aeruginosa 9.
carotenoproteins, spirilloxanthin configurations, Rhodospirillum rubrum 6625.
ferredoxin, Halobacterium halobium 4558.
laccase, Polyporus versicolor 9148.

Parmularia, plant diseases, ecological distribution, France 2207. Rangelands, cattle dung, decomposition 3198.

cattle dung, oecomposition o 19a.

Raphanus sativus,
clubroot, pathogenicity, association, soil moisture, soil temperature 6815.
disease resistance, scab, Streptomyces scabies 2268.
radish mosaic virus infection, susceptibility 9436.
Raphiolepsis detacouri,
leatspot, Entomosporium mespili 5775.
Raphiolepsis indica,

leafspot, Entomosporium mespili 5775.

Rapid plasma reagin test,
immunodiagnosis, syphilis 9913.
immunodiagnosis, syphilis 9917.

Rappaport's medium,
isse modium,
isse modium, isse modium, isse modium.

respect s medium, use, media (isolation), methodology, Salmonella 8111.

Rare species, plants, fungi diseases, USSR 7646.

Raspberry bushy dwarf virus, etiology, yellows, Rubus, disease resistance 464. infection, Rubus idaeus fields 9441.

Ratoon stur.

Ratoon stunt, bacteria, effects on, Saccharum officinale, yield 2139. bacteria, Saccharum, disease control, heat treatments 9468. bacteria, Cynodon dactylon, etir

bacteria, Saccharum, disease control, heat treatments 9468. mycoplasma-like organisms, bacteria, Cynodon dactylon, etiology 3009. Rauscher leukemia virus, glycoproteins, antigenic determinants, molecular weight, monocional antibodies, precipitation, methodology 1748. Ravenella lagerhelmiana, infection, Enterolobium cyclocarpum, fungicides, disease control 8656.

Ravidomycin, antibacterial activity, gram-positive bacteria 6210.

RD-114 virus, infected cell lines, interferon, antiviral activity 9699.

Interced cert ines, interferon, antiviral activity 9699.

Reaction centres,
cytochrome c binding sites, cross-linking dithiobispropionimidate, dimethyl suberimidate, Rhodospseudomonas sphaeroides 3651.
purification, thylakoids, Rhodopseudomonas viridis 6392.
Reaction mechaniams,
immobilized enzymes, surface charge effects on 967.

Reactors, continuous culture, nitrifying bacteria, wastewater treatment, dissolved oxygen

continuous culture, nitrifying bacteria, wastewater treatment, dissolved oxygen effects on 1705.
ethanol biosynthesis, yeasts 139.
factors affecting, growth, thermus, Bacillus, methodology 1794.
films, nitrification, mathematical models 8057.
growth, Saccharomyces cerevisiae, population dynamics, mathematical models 3633.
methane, mathematical models, digestion (anaerobic), bacteria 5308.
methaneesis, methodology, fermentation 8716.
Rhodopseudomonas capsulata chromatophores, ATP measurement 4482.
sewage treatment, methane biosynthesis, bacteria 4435.
wastewater treatment, biological oxygen demand, microorganisms 5310.
wastewater treatment, attended to the saccount of the saccou

Reagents, serological tests, quality control, contamination, bacteria, viruses 5229.

Rearing,
methodology, Heliothis armigera confertus, nuclear polyhedrosis virus, granulosis
virus 1738.

NIUS 1730:

Receptors,
Escherichia coli pili, identification, hemaggiutination, biood group P1 5402.
hepatitis B virus, albumin, detection, radioimmunoassay 6293.
phytotoxins, plasma membranes, pathogens, plant diseases, reviews 2096.
specificity aggiutination, use, identification, Escherichia coli+pili 880.

Recilia dorsales,
Tescas Françaission, rice gall dwarf virus, Oryza sativa 1162.

Reclaimed land, coal mines, iron-oxidizing bacteria, vertical distribution levels 9561.

Recombinants, Nocardia mediterranei, rifamycins biosynthesis 6164.

Recreation, environmental impact, soil properties, forests 6892.

Recreation sites, swimming, microbial pollution, phages, Escherichia coli 8970. viruses, water-borne diseases, wastewater treatment effects on 9810. Red clover mottle virus,

stability, infectivity, factors affecting, Pisum sativum 2099.

Red clover vein mosalc virus,
plant viruses, Leguminosae, USA, Tennessee, identification 5689.

Red core

Fragaria vesca, disease control, agricultural practices association, dazomet, fenaminosult 1415.

Yersinia ruckeri, immunogenicity, vaccines, bacterins preparation 8925. Redox properties,

Desulfovibrio desulfuricans cytochrome c553, Pseudomonas aeruginosa cytochrome c551 6546.

Reduction,

iron, soli, flooding, metabolism, bacteria 6959. ketones, Beauveria sulfurescens 130. Saccharomyces cerevisiae, perfluoroalkyl ketones, β-(perfluoroalkyl)-β-ketoesters, (perfluoroalkyl)vinyl compounds 9221. Reforestation,
Pinus sylvestris, survival, blight, Phacidium infestans, canker, Gremmeniella

abietina 4164

abletina 4164. Refrigeration, Refrigeration, and Refrigeration infectivity, potato leaf roll virus, antigenic characteristics, Solanum tuberosum 9422. Escherichia coli, Salmonella typhimurium, viability, food films, surfaces 2025. gases composition, spoilage, sedrood 5640. Ieltuce, radishes, nitrate-reducing bacteria growth 3836. meat, spoilage, Staphylococcus aureus, psychrotrophic bacteria, yeasts 2038. milk, pasteurization, bacteria, spoilage 2913. preservation, poultry 3659. Salmonella typhimurium. Staphylococcus aureus, growth, mayopnaise, meat 2: Salmonella typhimurium. Staphylococcus aureus, growth, mayopnaise, meat 2:

Salmonella typhimurum, Staphylococcus aureus, growth, mayonnaise, meat 229. storage, milk, bacteria growth 4826. storage, milk, Pseudomonas growth 4830. vacuum packaging, beef, spoilage, Enterobacteriaceae 5638.

Regeneration,
Ables alba forests, association, soil microorganisms, mycorrhizas 534.
association, meristem tip culture, elimination, viruses, infection 469.

association, meristem tip culture, elimination, viruses, infection 469.

Regurgitation, Epilachna varivestis, Cerotoma trifurcata, feeding, disease transmission, southern bean mosaic virus, Phaseolus vulgaris 6738.

Relative humidity, effects on, Alternaria solani, infection, wound healing, solanum tuberosum 4003. effects on Eucalyptus leaf litter biodegradation 153.

effects on, occurrence, ochratoxin A, Aspergilus ochraceus, Penicillium vindicatum 7624.

vindicatum 7624.

vindicatum 7624.

effects on, pathogenesis, Cercospora zeae-maydis, leafspot, zea mays 2135.

effects on, powdery mildew, Begonia 401.

effects on Stemphylium botyosum, leafspot, pathogenesis, Medicago sativa 1141.

effects on, virulence, culex pipens, Anopheles stephensi, Metarrhizium
anisopliae, conidia, viability 7478.

ethylene oxide sterilization, effects on indicator species, Bacillus subtilis
subsp.niger 4322.

Piper nigrum leafspot, effects on, Xanthomonas campestris, pv.vesicatoria,
pathogenicity 410.

scah, Malus, effects on pathogenesis 2149.

sclerotia, Sclerotium rolfsii, Verticillium albo-atrum, methyl
bromider chloropicinn, effects on toxicity 499.

Remantadine,
drug resistance, influenza A virus, plaque assay 9635.

drug resistance, influenza A virus, plaque assay 9635, drug resistance, production, influenza A virus, variants, methodology 1546. influenza drug resistance, lipid membranes interaction 3266. Remote sensing,

soil microorganisms, respiration, soil properties, tundra 5885. Renal failure,

mushroom poisoning, Cortinarious speciosissimus, case reports, man 227.
Renibacterium aslmoninarum,
media (selective), methodology 5427.

Repellents, dodecanoic acid, polygodial, Myzus persicae, vectors, viruses, plant diseases

Replica plating, microorganisms, phenanthrene metabolism, detection, enumeration 3577. Replication,

reprication, avian sarcoma virus, antiviral activity, aphidicolin 3941. cucumber green mottle mosaic virus, nitrates nutrition effects on, Cucumis sativus 2183.

DNA fragments, Streptomyces antibioticus, association oleandomycin biosynthesis

EUUC. Epstein-Barr virus, antiviral activity, nucleosides analogs 9688. herpes simplex virus, antiviral activity, 9-(3,4-dihydroxybutyl)guanine 5216. herpes simplex virus 1, antiviral activity, tromantadine 1574. herpes simplex virus, 9-9-D-arabinofuranosyl-2-fluoroadenine inhibition, HeLa

ceils /104. herpesvirus, antiviral activity, 9-(2-hydroxyethoxymethyl)guanine 7940. 9-(2-hydroxyethoxymethyl)guanine, antiviral activity, inhibition, herpes simplex virus 1, herpes simplex virus 2 /112. Inhibitors, viruses, plants 3196. interferon, inhibition, murne sarcoma virus 7113.

Nicotiana tabacum, protopiasts, secretions, inhibition, tobacco mosaic virus 3114.

novobiocin, inhibition, cytomegalovirus infected embryo fibroblasts 2489. prostaglandins, inhibition, vaccinia virus, fibroblasts, cell culture 2485. Pseudomonas, Nicotiana tabacum, factors affecting host-parasite interactions 5816.

5816.
habdovrius, antiviral agents effects on 6068
rhinovirus, inhibition, dichloroflavan 6070.
tobacco mosaic virus, pathogenesis, Nicotiana tabacum 4038.
tobacco mosaic virus, ribonuclease inhibition, Nicotiana tabacum 6885.
Varicella-zoster virus, infected cells, 5-iodo-2'-deoxyuridine pretreatment
effects on 3365.

viruses, nucleosides analogs inhibition 3352.
Replicative Intermediates,

Mycoplasmatales virus-laidlawii DNA, chloramphenicol effects on biosynthesis 1625. Reproduction.

Heliothis zea nuclear polyhedrosis virus effects on, pest control. Heliothis 1041

evegetation, land reclamation, mines, soil amendment, mycorrhizas, Pinus taeda 2302. land reclamation, mines, soil amendment, vesicular-arbuscular mycorrhizas colonization roots, Agropyron trachycaulum 9542. mines, mycorrhizas innoculation, Conferates 519. waste disposal, oil, biodegradation, soil properties 7020. Reproduction, (continued) eproduction, (continued)
influenza vrus, proteinase inhibitors, antiviral activity 9686.
powdery mildew, survival, Hordeum infection 358.
Puccinia, rust, Gramineae, genetic variance 1160.
Solenopsis invicta, avermeetnetic variance 1160.
stages, suppression, Leptosphaeria maculans, chemicals treatment, Brassica napus stages, suppression, Leptosphaena maculans, chemicals treatment, bras-crop residues 463.

Reproductive strategy,
evolution, Agaricales, Gasteromycetes, ectomycorrhizas 9535.
natural selection, pathogens, plant diseases, mathematical models 2976.
soil microorganisms, natural selection 2336.
Resazurin test,
quality control seafood, food contamination, bacteria 3374. Reverse osmosis, membranes, cellulose acetate, biodegradation, bacteria, fungi 2883. Revertants,
Penicillium chrysogenum, penicillin production 6154. Reviews, eviews, aclacinomycin A, characterization 769. adlatoxins, contamination, milk, milk products, toxicity, cattle 283. allatoxins, toxicity, mechanisms, plants 5647. Agancius bisporus cultivation, composis 9281. Agancius bisporus cultivation, composis 9281. Agancius bisporus cultivation, lignocellulose degradation, nutritive value 7596. anaerobic bacteria, antibiotic sensitivity testing 2519. quality control, searcot, note commission and the Research programs, agricultural practices, symbiosis, Leguminoseae, Rhizobium, Latin America 3227. biological control, vectors, disease transmission, insecta 1029, developing countries, Bacillus thuringiensis, biological control, Insecta 1027. Beservolfs, Schalles, Datines, Datines Interpreted to the Reservolfs, solation, viruses, physicochemical properties, biochemical analysis 795. viruses, Fragaria ananassa disease control relationship, Nematoda 1,3-dichloropropene pest control 9479, water isolates, Vibrio cholerae, antibiotic sensitivity testing 7968. antibiotic resistance, cefotaxime, β-lactam antibiotics 5997, antibiotics biosynhesis, characterization, N.M.R., methodology 7988, antibiotics standardization 2501, antibiotics standardization 2501, antibiotics standardization 2501. Residues, chlorothalomil, Solanum tuberosum foliage, mathematical models, fungi 5819. antipicities standardization 2501.
antipicities structure, mass spectroscopy 8825.
antimicrobial agents activity, organic matter effects on 6081.
antimicrobial agents, topical application 6080.
antiviral activity, amantadine, 5-trifluorothymidine, 5-iodo-2'-dexoyuridine,
adenine arabinoside 6063.
antiviral activity, interferon 4311. Resins. mmobilized cells, Zymomonas mobilis, use, bioreactors, ethanol production 9250. Resistant mutant, lealstant mutant, agroup of the property of t antiviral activity, interferon 4311, antiviral agents, artiviral artivity, 8484, bacteria, arcosols, characterization, factors affecting viability, 8115, bacteria, drug resistance, cotrimoxazole, trimethoprim 3293, bacteria, trugi, immobilizate de ells, transformation, steroids 3706, bacteria hydrogenase activity, immobilization, applications, 9169, bacteria, plant diseases, vectors, insecta 2969, acteria, plant diseases, vectors, insecta 2969, bacteria, polysaccharides, applications, industries 9200, bacteria, resistance, antimicrobial agents, metals, ions, association, plasmids 8735. Resistomycin,
Streptomyces griseoflavus, structure, biosynthesis 8887.
Resorcinol, Presorcinol, biodegradation, Aspergillus niger 3774.

Respiration, anilazine, effects on, Eschenchia coli 5168. bacteria, soil microorganisms, soils (loam), sterilization, storage, effects on 8735 beer, fermentation, yeasts 3746.
bioassays, water qualify 2602,
biodegradation, industrial wastes, soaps, detergents 5579.
biomass production, sedimentation, fermenters 8083.
bioreactors, aceration, Hansenula polymorpha, Escherichia coli, media (culture) bacteria, soil microorganisms, soils (loam), sterilization, storage, effects on 6977.

bacteria, soil, Pahokee muck, species diversity, community structure, population density, ecological distribution 5912.

biological oxygen demand, sewage effluents, pollution monitoring, algae 2614. fungl, fermentation heat, carbon sources 145.

measurements, serobic bacteria, activated sludge 6254.

Mycobactenium smegmatis, rifampione rifects on 7156.

nodules, nitrogen fixation, water stress effects on, Glycine max 1499.

Pseudomonas solanacearum, Penicillium, tannins soil amendment effects on 593. radioactive labelling, biodegradation, microorganisms 3509.

Saccharomyeas uvarum, measuring techniques, use, tetrazolium salts 9088.

seadonal variations, soil properties, grasslands, tropical environment 561.

seedlings roots, Phytophitora cinnamomi infection, plants 5668.

soil microorganisms, biomass, petroleum sand 5916.

soil microorganisms, herbicides effects on 5975.

soil microorganisms, measuring techniques incroosms 571.

soil microorganisms, measuring techniques incroosms 571.

soil microorganisms, measuring techniques defects on 620.

soil microorganisms, pesticides, herbicides, effects on 640.

soil microorganisms, posticides, herbicides, effects on 640.

soil microorganisms, seasonal variations, crop fields, soils (organic) 3191.

soil microorganisms, seasonal variations, deserts 694.

soil microorganisms, seasonal variations, deserts 694.

soil microorganisms, temperature effects on 3206. B084
Bordetella pertussis, toxins 7630.
catechol oxidase structure, spectroscopy, mechanisms, Neurospora crassa 6549.
cetechol oxidase structure, spectroscopy, mechanisms, Neurospora crassa 6549.
cetotaxine, antibacterial activity 6116.
cellulolytic microorganisms, enzymes hydrolysis lignocellulose 7540.
cephalosporins, antibacterial activity 6131.
cephalosporins, antibacterial activity 6131.
cephalosporins, antibacterial activity 6131.
cephalosporins, antibacterial activity 6143.
chemostats, continuous culture, microorganisms, growth rate 7211.
cinoxacin, treatment, gram-negative bacteria unnary tract infection, man, antibacterial activity, reviews 8762.
Clostridum tetanit oxins, structure 2078.
composting mechanisms, structure 2078.
composting mechanisms, microorganisms role 6249.
Corynebacterium diphthenae toxins, structure, toxicity 6724.
cotrimoxazole, antibacterial activity 4288.
cotrimoxazole, antibacterial activity, bacteria 6032.
crop residues fermentation, gases environments, Aspergillus oryzae, Trichoderma reese, Streptomycos 4723.
dentifitication, enzymes role, pathway 5118.
dentifitying bacteria, dentrification, evolution 5111.
dentifitying bacteria, denterinication, condition, dentification mathematical models 5110.
designation (anaerobic), waste water, solid wastes, technology 9801. Bordetella pertussis, toxins 7630. soil microorganisms, temperature effects on 3206. soil microorganisms, 2-methyl-4-chlorophenoxybutyric acid, disulfotun, effect on 5974. Gillostion (anaerobic), waste water, solid wastes, technology 9801. drinking water, water analysis 2628. Endothia parasilica, disease control, virulence, blight, Castanea dentata 4165. enterotoxins, Staphylococcus aureus 6723. enterotoxins, Staphylococcus aureus 6723. enterotoxins, Staphylococcus aureus 6725. soil properties, diurnal variations, tropical environment, forests, pasture 1493. Respirators, medical equipment, nosocomial environments, bacteria contamination 9823. Respiratory function, Respiratory function, gram-negative bacteria endotoxins effects on, cotton contamination 9823.
Respiratory function, gram-negative bacteria endotoxins effects on, cotton contamination, man 1320.
Respiratory syncytial virus, amidines, derivatives, antivirus, amidines, derivatives, antivirus, amidines, deteritoria, hemadacoption 1742.
defective-interfering particles, quantitation, colorimetry, bioassays 7230.
detection, inmunoperoxidase test, comparison, immunofluorescence, diagnosis 9862.
infection, immunofluorescence diagnosis, nasopharynx secretion, man 9832.
infection, indirect fluorescent antibody test, diagnosis, man 823.
isolation, Asperigilius flavus, airborne microorganisms, man, hospitals, relationship, buildings construction 3493.
isolation, Haemophilus influenzae, media (selective) 9952.
Respiratory tract diaesses, attite, animal isolates, Pasteurella, drug resistance, antibiotic resistance 7884. ergor 5560. Eschenchia coli, enterotoxins, food poisoning, man 1104. ethanol production, Zymomonas mobilis 7507. explosives, industrial wastes, biodegradation 5578. factors affecting fermentation 1986. lactors affecting fermentation 1996.

Tod poisoning ergot Claiveags purpurea, man 1074.
Tod poisoning ergot Claiveags purpurea, man 1074.
Tot-and-mouth disease vaccines, production, genetic engineering 8921.
Tungl, identification, pathogens, immunoassays 8165.
Tungl, land titler, soil, nutrient cycles, ecosystem analysis 5889.
Tungl, plant diseases, epidemiology, roots growth 3903.
Tungl, transformation, use, organic compounds production 5441.
Tungl, use, antibiotics production 5238.
Tungl viruses, role, plant diseases 1119.
5-D-glycanase, purification, characterization 1877.
heat treatments, effects on, bactoria, beef, food quality 8488.
helper viruses, plant diseases 2979.
herpes simplex virus, 94-2-hydroxyethoxymethyl)guanine drug resistance 9652.
herpesvirus, 942-hydroxyethoxymethyl)guanine drug resistance 9652.
herpesvirus, 942-hydroxyethoxymethyl)guanine antiviral activity, mechanisms 9696. Respiratory tract infection, bekanamycin treatment, man, antibacterial activity 6186. Restrictocin, N-terminus amino acid sequence, homology α -sarcin, mitogiilin, Aspergiilus N-terminus amino acid sequence, homology α -sarcin, mitogiilin, Aspergiilus 9696. hydrolases purification, use affinity chromatography 1898. immobilized enzymes, recommendations 8311. immunoassesy, bacteriology, antibiotics use 1604. industrial effluents, food industry, treatment, methodology 792. industrial wastes, digestion (anaerobic), methanogenesis, microorganisms 7196. inorganic pyrophosphatase kinetics, bacteria 6465. interspecific relationships, soil flora, fungi, forest floor, Oribatidae 5069. isolation methodology, potato leaf roll virus 8100. β-lactam antibiotics, aminoglycoside antibiotics, synergism, therapeutic etinal-binding protein, purification, characterization, bacteriorhodopsin deficient mutant, purple membranes, Halobacterium halobium 4561. Retrostatin, antiviral activity, avian myeloblastosis virus DNA polymerase (RNA-dependent) inhibition 9794. Retrovirus, chelating agents, disassembly 699

Reviews, (continued)
applications, antibacterial activity 6091,
lactic acid bacteria, carbohydrates metabolism 9125,
lactoferrin, transferrin, conalbumin antibacterial activity, relationship
microflora immune response, Mammalia 5176,
man, antiviral agents, mechanisms, treatment, viruses infection 3364,
man, children, dentifrices, toothbrushing, effects on, dental plaque, formation
9624.

man, children, dentifrices, toothbrushing, effects on, dental plaque, formation 9824.

man, skin infection prophylaxis, use, chlorhexidine soaps \$2.76, man, topical application antimicrobial agents, skin disinfection 6278.

man, use, soaps+antimicrobial agents 62.77, man, use, soaps+antimicrobial agents 62.77, man, use, soaps+antimicrobial agents 62.77, mat, Salmonella control, readiation treatment 4841, media (culture), gases solubility, microorganisms 8092.

mezicollim, antibacterial activity mechanisms, pharmacokinetics 6151.

microorganisms biosynthesis, extracellular polymers 1951.

microorganisms, delergents effects on enzymes metabolism 6399.

microorganisms, genetic engineering, fementation, reviews 6565.

microorganisms, genetic engineering, fementation, reviews 6565.

microorganisms, genetic engineering, fementation, reviews 6565.

microorganisms, unmobilized cells, production, hydrogen 6807.

microorganisms strains combination cultivation, enzymes, antibiotics, biosynthesis improvements 6548.

milk, role, disease transmission 211.

mushrooms cultivation, cultivation techniques 5614.

mushrooms cultivation, ultivation ferbinging soli, forests ecosystems 9511.

nosocomial infection, man, association medical equipment 2639.

otyrza sativa, sheath bilght, Rhizoctonia solaria 6766.

oxidoreductase, enzymes, use, biotechnology 9145.

paracoccus dentificians, dentification energetics 5117.

pathogens inactivation, occupational exposure risks, land disposal, industrial wastes 5578.

penicillin-binding protein, function, structure, role, β-lactam antibiotics resistance, bacteria 6397.

wastes 5978. penicillin-binding protein, function, structure, role, β-lactam antibiotics resistance, bacteria 6397. penicillins, antibacterial activity 6150. Peronosclerospora, Sclerospora graminicola, downy mildew, Zea mays, Sorghum vulgare, Pernisetum typhoideum, epidemiology 1186. phages isolation methodology, water 2649. Phytolacca americana proteins antiviral activity, relationship disease resistance 1991.

9478.

plant breeding, disease resistance, plant diseases 2971.

plant diseases 7647.

plant diseases, biological control, phylloplane 3147.

plant diseases, biological control, phylloplane 3147.

plant diseases, disease resistance, defense mechanisms 1336.

plant diseases, epiology, genetic analysis 2970.

plant viruses, Australia 8528.

plants, phytotoxins, disease resistance, India 1369.

polythiazole containing peptide antibiotics, characterization 1682.

polato spindle tuber virold structure, physicochemical properties, role, plant diseases 8529.

diseases 8529
Pseudomonas, denitrification, genetic analysis 5119
Pseudomonas, denitrification, genetic analysis 5119
Pseudomonas, denitrification, genetic analysis 5119
Pseudomonas, denitrification, genetic analysis part diseases 2974.
Phizoctoria solani mating types, taxonomy, pathogenicity, plant diseases 2974.
Saccharomyces carevisiae, oxygenase, biodegradation, transformation, aromatic compounds 3667.
Salmonella typhimurium, gene mapping, genetic analysis, methodology 9052.
Samum bactericidal activity, gram-negative bacteria 4295.
Soil microorganisms, decomposition, corp residues, food processing solid wastes, land disposal 5984.
Soil microorganisms decomposition, industrial wastes, pharmaceuticals, land disposal 5984.
Soil microorganisms decomposition, organic compounds, toxicants, land disposal solid microorganisms decomposition, organic compounds, toxicants, land disposal solid microorganisms.

5977

soil microorganisms, decomposition, solid wastes, land disposal 5976. soil, production, antibiotics, Streptomyces 4403. soil-borne diseases, agricultural practices 7648. sorbates, meat products preservation 4873. steroids conversion, immobilized cells, immobilized enzymes 3707.

sterious conversion, immionized cells, immionized enzymes 3707. Streptococcus pneumoniae vaccines, composition, use, man 8049. streptonigrin, characterization 8986. streptothricin characterization 9782. substrates utilization, fungi, bacteria 6655, suffonamides, inhibition, carbonate dehydratase, bacteria 8756. vesicular-arbuscular mycorrhizas, plants symbiosis, use, agricultural practices

4188. viruses, chemicals, induction, disease resistance, plants 7751. viruses, plant diseases, disease spread, agricultural practices 2978. waste treatment, composting, association, physicochemical properties 7191. white rot, Sclerotium ceptorum, pathology, disease control, Allium cepa 1260. wood preservatives, land disposal, soil microorganisms biodegradation 5985. yeasts fermentation, ethanol production, models 7522. yeasts, glucans, cell walls 1953.

phosphorus mineralization, oil shales, Pseudomonas 556.

Rhabdocline,
needle cast, Pseudotsuga menziesii 536.

needle cast, Pseudotsuga menziesii 536.

Rhabdocline pseudotsugse,
needlecast, chemical control, Pseudotsuga menziesii 2312.

Rhabdocline pseudotsugae subap, pseudotsugae,
needlecast, piantations, Pseudotsuga menziesii 5864.

Rhabdocline weirii aubap, oblonga,
needlecast, piantations, Pseudotsuga menziesii 5864.

Rhabdovirus,
antiviral agents effects on replication 608.
infection, association, mycoplasma-like organisms witches' broom incidence,
Cajanus cajan, USA, Florida 4945.
infection, cytology, Lactuca sativa 1234.
infection, Gramineae 2118.

Rhamnose, N.M.R., Streptococcus group A 7436. Rhamnus cathartica, Puccinia coronata pathogenicity, relationship, sexual reproduction, asexual

Rheology, mixing, liquid culture, Absidia corymbifera mycelia, morphology 9069. Penicillium chrysogenum, liquid culture 9070. Penicillium funculosum, cellulose biodegradation 166. Rheum rhaponticum,

turnip mosaic virus, arabis mosaic virus, effects on, vield 2198.

disease transmission, household products, surfaces, man 804. replication inhibition, dichloroflavan 6070. Rhipsalldopsis gaertnerl, stem rot, Drechslera cactivora 1261.

Stelln 10th Dischards

RhizIdlomycopels,
parasitism, Gigaspora margarita, Glomus fasciculatus, fungicides, effects on 5200.

inoculation, effects on, Erwinia carotovora, infectivity, Solanum tuberosum 3061.

host range, plasmids, association, host plants cell recognition 5937 nitrogen fixation, conferences 6361.

Rhizobium,

agricultural practices, research programs, symbiosis, Leguminoseae, Latin America

antibiotic resistance 2410. aromatic compounds biodegradation 3784. association, Pseudomonas, inoculum, Zea mays, roots, methodology 3548. \pm Azospirillum brasilense, association, Cicer arietinum, nitrogen fixation

5963
bacterioids structure, nitrogen fixation, enzymes, nodules, Medicago sativa 9613, bacterioids viability, Pisum sativum, Lupinus, Trifotium, Clianthus puniceus 7860, capsules, extracelluiar, polysacchandes structure 7437, cross-infectivity, Legumnosae 5965, cross-infectivity, Legumnosae 5965, effects on pathogenesis, peanut mottle virus infection, Arachis hypogaea 5687, enumeration, counting methods, soil 610, effetilizers suturies, incoculation, seedings, coal mines 8691, 1,2-9-D-glucans, structure 6582, effective max nodulation, nitrogen fixation, soil, salinity, effects on 597, growth, nitrogen fixation, soil, salinity, effects on 597, growth rate, competition, nodulation, temperature effects on, Vigna unguiculata 9588, growth, hitroschere microorganisms inhibition 1488.

9588.
growth, fhizosphere microorganisms inhibition 1488, host range specificity, association Trifolium repens nitrogen, fixation 602. hydrogen production, nutrient dynamics, carbon, nitrogen, Vigna unguiculata 4247. hydrogenase activity, nodules, Leguminosae 7837. identification, Arachis hypogaea, use, enzyme-linked immunosorbent assay 6306. indole-3-acetic acid, role nodulation, root hairs, Leguminosae 1509. infection, Gallega, DNA homology, phage typing, nodulation, taxonomic significance associations.

infection, Leguminosae, effects on Gramineae 2113. infection, Trifolium repens, Medicago sativa, Cicer arietinum, effects on, nodulation, yield 2226, nodulation, effects on fertilizers mung bean mild mosaic virus, pathogenicity, Phaseolus aureus 8534.

Phaseolus aureus 8534. inoculation, Leguminosae seeds, problems, Israel 5945. inoculation, Leguminosae seeds, problems, Israel 5945. inoculation, nitrogen fixation, Vicia angustriolia, inoculation nitrogen fixation, Vicia angustriolia, inoculation 6992. inoculum analysis, leguminosae field trials 5132. interspecific relationships, mutualism, mycorrhizas, Leguminosae 9555. intraspecific relationships, association, Glycine max nodulation 9605. isolates characterization, Cajanus cajan, Cicer arietinum 7821. isolation, characterization, Leguminosae. Australia 6990. Leguminosae nodulation, nitrogen fixation, herbicides application effects on

Leucaena leucocephala, inoculation Desmanthus virgatus, tests, dilution frequency

Leucaena leucocephala, inoculation Desmanthus virgatus, tests, dilution freque 1505.
mutants, Cicer arietinum, nodulation, nitrogenase activity, competition 7854.
nitrate reductaes, measuring lechniques 1507.
nitrogen fixation, acetylene reduction, diurnal variations, Trifolium repens 609.
nitrogen fixation, Aschynomene indica, growth conditions 3244.
nitrogen fixation, analysis, leguminosae, isotopes methodology 5131.
nitrogen fixation, books 9996.
nitrogen fixation, apentic analysis, crops 9604.
nitrogen fixation, orgenic analysis, crops 9604.
nitrogen fixation, dipcine max, nitrogen fertilizers effects on 5105.
nitrogen fixation, dipcine max, nitrogen fertilizers effects on 5115.
nitrogen fixation, apmoissae growth, solar radiation effects on 5115.
nitrogen fixation, measurement, Glycine max 5129.
nitrogen fixation, passonal variations, cuttivars effects on, Glycine max 9603.
nitrogen fixation, virilorium subterraneum, Medicago truncatula 2366.
nodulation, Arachis hypogaea, genetic analysis 7015.
nodulation, Arachis hypogaea, genetic analysis 7015.
nodulation, Giorer arietinum, growth, nitrogen fixation 6989.
nodulation, Gioreraneum, growth, nitrogen fixation 6989.
nodulation, Gioreraneum, growth, nitrogen fixation 6980.
n

on 1503: nodulation, Medicago sativa, association, Fusarium oxysporum infection 5114. nodulation, nitrogen fixation, Parasponia rigida, oxygen uptake 3243. nodulation, nitrogen fixation, utilization, carbon sources, photosynthesis, Vicia faba, relationship mycorhizas 615. nodulation, yoil amendment effects on, yield, Glycine max 9582. nodulation, yigna sitensis, phonic acid effects on 4251. nodules, Vicia faba, nitrogen fixation 3231. phytotoxins, allelopathy, Polygonum aviculare 8683. polysaccharides structure 4704.

Shizohium, (continued)

hizobium, (continued)
rhizosphere microorganisms, nodulation, Leucaena leucocephala 5959, role Leguminosae nitrogen fixation 600, seeds inoculation, nodulation, nitrogen fixation, Arachis hypogaea 9591.
Sesbania rostrata manure, effects on nitrogen fixation, Oryza sativa 4240 soils inoculation, Medicago sativa, Lotus corniculatus nodulation 5128, solar eclipse effects on nitrogen cycle 2370, strains, cross inoculation, Vigna sinensis cultivars 5123, strains identification, antibiotics use 890.
Strains identification, antibiotics use 890.
Strains inoculation, nitrogen fixation, host range, Glycine max, Vigna muingo, Vigna uniquiculata 8679, survivability, inoculation, vigna radiata seeds 1498, survival Leguminosae seeds, inoculum methodology effects on 1510, symbiosis, Cier arietinum, effects on nodules 5966, symbiosis, Lens culinaris, salinity tolerance effects on 5955, vesicular-arbuscular mycorrhizas, phosphate levels, soil, yield, Medicago sativa 7850. 9578.

Introgenase, genes, transcription, nodulation, Medicago sativa 3228.

nodulation. Medicago sativa, vesicular-arbuscular mycorrhizas role growth nutrient upitake, phosphorus fertilizers effects on 6943.

nodulation, introgen fixation, light intensity, carbon dioxide concentration, effects on, Medicago sativa 9586.

nodules development, intrate effects on, Medicago sativa 3239.

pH, effects on, nodulation, Medicago sativa 3238.

polysaccharides, rarbioryfate composition 6574.

polysaccharides, rarbioryfate composition 6574.

polysaccharides, rarbioryfate composition 6574.

soils inoculation, Medicago sativa, Lotus comiculatus nodulation 5128.

strains, competition, association, nodulation, Medicago sativa 7857.

symbiosis, Medicago sativa, acetylene reduction 2374.

transposon 5, mutants, Medicago sativa, acetylene reduction 2374.

transposon 5, mutants, Medicago sativa, undules, ultrastructure 7848.

https://doi.org/10.1001/10.100 orrhizas role growth. survival+Leguminosae seeds, inoculum memodology enteus on 1910.
symbiosis, Lens culinaris, salinity tolerance effects on 5955.
symbiosis, Lens culinaris, salinity tolerance effects on 5954.
vesicular-arbuscular mycorrhzas, phosphate levels, soil, yield, Medicago sativa 7850.
vability, association, storage, role, temperature, media 7242.
viability, association, storage, role, temperature, media 7242.
viability, association, storage, role, temperature, media 7242.
viability, association, storage, purification, activity 22.
arbityoria proper in the storage of the storage o Rhizobium phaseoli, +Glomus fasciculatus, symbiosis, nitrogen fixation, phosphorus uptake, Phaseolus vulgaris 1502. glutamine synthetase, isoenzymes, purification, characterization 6467. glutamine synthetase, nitrogenase, nitrogen fixation, nodules, Phaseolus vulgaris nstrongen fixation, inoculation, Phaseolus vulgaris, land reclamation, mines 5108. nodulation, Leguminosae, strains competition 4245. nodulation, Phaseolus vulgans, Pseudomonas syringae subsp.phaseolicola halo blight effects on 7652. unigni effects on 7022.

nodulation specificity, Phaseolus coccineus, Phaseolus vulgaris 598. polysaccharides structure 4704. survival liquid culture, use seeds inoculation, Leguminosae 1786. survival. Phaseolus vulgaris seeds, coal inocultum effects on 3159. survival. solis (audici) 3197. survival, solls (acidic) 3197.

Rhizoblum triflotii,
armonium nitrate tolerance, effects on nodulation 7855.
antibiotic resistance 2410.
antibiotic resistance 2410.
antibiotic resistance 2410.
antibiotics biosynthesis, antimicrobial activity 3379.
attachement roots nitrate inhibition, trifolium repens 4242.
bacteroids, scanning electron microscopy, nodules, Trifolium repens 8676.
capsules, binding lectins, roots exudates, Trifolium repens 1508.
colonization roots, Trifolium alpinum, fluorescent antibody test 6991.
competition, nodulation, Trifolium subterraneum 5116.
competitioness, Trifolium repens soil microorganisms, factors affecting 611.
experimental infection, Trifolium incarnatum, nitrogen fixation, lines variation growth, soil microorgansms inhibition, in vitro 6963. infection, Trifolium repens, Medicago sativa, Cicer arietinum, effects on, nodulation, yield 2256. inoculation, Trifolium repens, Medicago sativa, Cicer arietinum, effects on, nodulation, yield 2256. inoculation, Trifolium, association soil improvement, British Isles 6953. isolation, characterization, Leguminosae, Australia 6990. mutants, soil, introgen fixation, viability 2354, nitrogen fixation, viability 2354, nitrogen fixation, Trifolium incarnatum, heritability 7829. nodulation, Trifolium repens, hydrogen, gas production 3245, perplasmic space, β-D glucosidase, β-D-galactosidase, purification, characterization 5499. polysaccharides structure 4704. strains, inoculation, Trifolium repens 608. strains, nodulation, Trifolium incarnatum genotypes, relationship, nitrogen fixation 7847. strains, noduation, i moilum incarnatum genotypes, relationsnip, nitrogen fixation 7847. symbiosis, Trifolium repens, nitrogen fixation 7003 symbiosis, Trifolium repens, soil pH, acidity, effects on, measuring techniques 4235. A235.

Rhizoctonia, benzimdazole derivatives, plants disease control 490. blight, Lespedeza cuneata, disease resistance, plant breeding 6866. blight, Lespedeza cuneata, pathogenicity, seeds yield association 6745. damping-off, bedding plants, isolates characterization 2194. infection, disease control, association, fungicides seed treatments, Arachis hypogaea 2291. post-harvest decay, pathogenicity, symptoms, Rumohra adiantiformis 1326. root rot, susceptibility, Gossypum hirsutum, relationship, radicle exudates, +chilling 4030. root rot, Trifolium repens, etiology 8537. root rot, Trifolium repens, etiology 8537. Rhizoctonia aderholdii, infection, Beta vulgaris, phytoalexins formation 2260. Rhizoctonia batalticola, benzimdazole derivatives, plants disease control 490. damping-off, root rot, disease resistance, seediings exudates, Cicer arietinum 7755. infection, Coriandrum sativum, new records. India 3978. infection, Conandrum sativum, new records, India 3978.
+Meloidogyne incognita, mixed infection, plants, effects on growth 4992.
root rot, Gioer arietinum, biological control, Streptomyces, Stachybotrys atra 7455 7455.
Toot rot, Cicer arietinum, factors affecting, rhizoplane microorganisms, rhizosphare microorganisms 7651.

Rhizoctonia cerealis, eye spot, etiology, Triticum aestivum 2124. foot rot, arhtungal activiry, peracetic acid, Gramineae 1394. Gramineae footrot pathogens antagonism, Pseudocercosporella herpotrichoides, Cicerum 1448. toot rot, antifungal activity, peracetic acid, Gramineae to Gramineae foortro pathogens antagonism, Pseudocerc Fusanum 1148.
Infectivity, Trificum, Solanum tuberosum 9367.
Rhizoctonia goodyerae-repentia, symbiosis, Goodyera repens, roots, mycorrhizas 4201.
Rhizoctonia leguminicola, 12 8 kirburdosus et aleguminicola, 12 8 kirburdosus establishing delivers, pharacterization. 77 bacteroids, lipopolysaccharides, lipid composition, carbohydrate composition 9188 918b. cell walls, proteins, carbohydrates, chemical extraction, methodology 2700. growth, soil microorganisms inhibition, in vitro 6963. polysacchardes structure 4704. Rhizobium mellioti. Rhizoctonia leguminicola,

1.28-trihydroxy-octahydroindolizine, characterization 7500.

Rhizoctonia solani,
anastomosis, identification, media (selective) 9989.
antibiotics, effects on, growth 3335.
antifungal activity, dirhizocarbamates 3153.
antifungal activity, vessential oils, Chenopodium ambrosioides 7933.
antifungal activity, vessential oils, Chenopodium ambrosioides 7933.
antifungal activity, vyractos derivatives 6875.
benzimidazole derivatives, plants disease control 490.
bulbs, Tulipa, Iris, storage conditions effects on survival 3973.
crown rot, root rot, pathogenicity, Medicago sativa, Egypt 5675.
damping-off, bedding plants, isolates characterization 2194.
damping-off, biological control, in virior, Trichoderma hazzianum 2854.
damping-off, herbicides effects on, Vigna unguiculata 9482. National Medical antibolic resistance 2410.
extracellular β-1,2-D-glucan isolation, characterization 6576.
β-D-glucan, extracellular polymers, polysaccharides, characterization 9193.
growth, soil microorganisms inhibition, in vitro 6963.
infection, Trilolium repens, Medicago sativa, Cicer arietinum, effects on, nodulation, yield 2226.
inoculation, adhesives, seed treatments, Medicago sativa 8681.
inoculation effects on nutrient uptake, soils (saline), Medicago sativa 7842.
isolation, characterization, Leguminosae, Australia 6990.
ntroogen fixation, microgen levels, genotypes, Medicago sativa 605.
nitrogen fixation, photosynthesis carbon sources effects on, Medicago sativa

Rhizobium mellioti, (continued)

9578

Rhizoctonia solani, (continued)
damping-off, integrated control, herbicides, nematicides, crop rotation, soil
damping-off, integrated control, herbicides, description, soil
disease control, insecticides, Glycine max 8625.
growth, hyphae extension, validamycin inhibition 1568.
infection, Avena, Gaeumannomyces gramins suppression, soil, effects on 3205.
infection, Gossypium, carboxin, antifungal activity 1422.
infection, Helianthus annuus seedings, disease control, fungicides 6870.
infection, File annuus seedings, soil moisture effects on 4965.
infection, Solanum tuberosum, factors affecting disease spread 6789.
infection, Vigna radiata, biodetenoration, seed-borne diseases 3915.
infection, Infection vigetables, planthology 3096.
infection, Infection vigetables, planthology 3096.
infection, Problem vigetables, planthology 3096.
infection, Solanum tuberosum, factors affecting disease spread 6789.
infection, Infection vigetables, planthology 3096.
infection, Infection vigetables, planthology 3096.
infection, Infection, Problem villager, forther of the spread of the sprea microsomes, cytochrome P-450, NADPH-cytochrome reductase, fractionation 6468. post-harvest decay, tomatoes, γ radiation+heat treatments+chemicals control chemicals, antifungal activity 3336. fungistasis, transferrin 8792. post-harvest decay, disease control, fungicides, cantaloupes 1399. Rhizopus pygmaues. Hnizopus stoloniter, fruit rot, disease control, fungicides, Ficus carica 1396.
immobilized cells, progesterone hydroxylation 4541.
infection, effects on, Lycopersicon esculentum, mutants, cellulase, pectinolytic enzymes 5773.
infection, Lycopersicon esculentum fruits, pathogenesis 8590.
post-harvest decay, prunes 5801.
prunes spoilage 4777.
Rhizophaere, decomposition leaf litter Above sibs 2301. Alnus, Actinomycetes isolation, antibiotic sensitivity testing 664.
Azospirillum brasilense, Azotobacter chrococcum, nitrogen fixation, yield, Zea mays, Sorghum bicolor 1500.
Azospirillum brasilense inoculation, nitrogen fixation, yield, Triticum aestivum Azospirillum, nitrogen fixation, Ipomoea batatas 9594.
Azotobacter, Azomonas agilis, crops 9583.
Azotobacter paspali, nitrogen fixation, nitrogen-15, measuring techniques,
Paspalum notatum 9609. Bacillus polymyxa, Azospirillum brasilense, nitrogen fixation, nitrogen-15 dilution, Triticum aestivum 9587. diution. Triticum aestivum 9587.
bacteria biomass, agricultural practices, meadows 9534.
bacteria biomass, agricultural practices, meadows 9534.
bacteria biomass, agricultural practices, meadows 9534.
buteria biomass, agricultural practices, meadows 9574.
fungal flora, surveys, Saccharum officinarum 7813.
Hordeum, nitrogen fixation, relationship, Spirillum lipoterum 4241.
Juniperus procera, ntrification inhibition, forests 3223.
Nematoda, vesicular-arbucular mycorhizas inhibition, plants 5095.
ntrogen fixation, genetic analysis, Oryza sativa 8682.
ntrogen fixation, measuring techniques, ntrogen-15 9608.
ntrogen fixation, mitrogen-fixing bacteria, conferences 10008.
ntrogen-fixing bacteria, counting methods, identification, taxonomy 9593.
ntrogen-hixing bacteria, cramineae 9600.
ntrogen-hixing bacteria, ntrogen fixation, genetic analysis, crops 9604.
ntrogen-hixing bacteria, ntrogen fixation, orchards, Artocarpus heterophyllus,
Areca 9595. soli-borne diseases control, antifungal agents USA, association, manure applications 323.

soli-borne diseases, integrated control, Trichoderma harzianum bulbs treatment, soli solarization, Indaceae 7768.

source, dispersal, soil, greenhouses 3898.

stem canker, black souri, disease control, iprodione, benodanii, thiabendazole, Solanum tuberosum 3055.

stem rot, interaction root rot, Fusarium solani f.sp.pisi, Pythium ultimum, Aphanomyces euteches, Pisum sativum 3326.

taxonomy, mating types, pathogenicity, plant diseases, reviews 2974.

Trichoderma harziarum, parasitism, detection, photography, methodology 8159.

web blight, benomyl disease cantrol, Glycine max 5059.

web thight, mulches disease control, Phaseolus vulgaris 5050.

wilt, mizosphere microorganisms, Solanum tuberosum, insecticides effects on 1512. nitrogen-fixing bacteria, nitrogen fixation, Sorghum bicolor, Pennisetum americanum 9612. htzoctorile zase,
pathogenicity, Gramineae 5701.
plant diseases, roots, Zea mays, interaction, herbicides 5706.
phath diseases, roots, Zea mays, interaction, herbicides 5706.
phath diseases, roots, Zea mays, interaction, herbicides 5706.
phath diseases, roots, Zea mays, interaction, herbicides 5706.
phosphate-dissolving bacteria, growth, enumeration, isolation, spermosphere use 3616.
phosphate-dissolving bacteria, growth, enumeration, isolation, spermosphere in growth, enumeration, silvateria, growth, enumeration, isolation, spermosphere interior, grawing bacteria, growth, enumeration, isolation, spermosphere interior, grawing bacteria, growth, enumeration, spermosphere, grawing bacteria, growth, enumeratio 3195.
Hordeum, nitrogen fixation, relationship, Spirillum lipoferum 4241.
Rhizoplane microorganisms,
Cicer arietinum, root rot, Rhizoctonia bataticola, factors affecting 7651.
content, zinc, lead, soil, USSR 2334.
uncidence, Gramineae mictures 589.
Saccharum officinale, Streptomyces, soil, characterization 6978. aspartate diffiliordisterase, adamine diffiliordisterase, adaminy, factors affecting 7651.

Oicer ariefinum, root rot, Rhizoctonia bataticola, factors affecting 7651.

omtent, zinc, lead, soil, USSR 2334.

content, zinc, lead, soil, USSR 2334.

Longicides folias applications effects on, Cicer arietinum 4254.

inhibition, growth, Rhizobium 1488.

inhibition pathogens, root rot, plants 1118.

metabolism, roots exudates, crop fields 5888.

metabolism, roots exudates, crop fields 5888.

metabolism, soil, association Manihot utilissima 5918.

Nicotiana rustica age effects on 7795.

nitrogen fixation, Triticum aestivum roots exudates effects on 4237.

nitrogen fixation, Triticum aestivum roots exudates effects on 4237.

nitrogen fixation, paratimo biodegradation 2897.

+phytotoxins+pesticides, etiology, decline, Zea mays 367.

hytotoxins-crohards roots growth, Malus pumila, orchards 4141.

population density, prometryne, trifluralin, roots exudates effects on, Gossypium hirsulum 8706. Sectration of onlines, Suspioninges, soir, characterization of hizopogan roseolus, growth, cadmium, lead, nickel, effects on 3189. Rhizopogon, host specificity, fungi mycorrhizas 5901. Pinus radiata, Pseudotsuga menziesii, New Zealand 7774. Rhizopus, distribution, feeds, radiation disinfection 7605. exo-1,4-α-D-glucosidase, ethanol fermentation methodology, sweet potatoes 5009.

svo-1,4-α-D-glucosidase fragments, purification, characterization 1909.
exo-1,4-α-D-glucosidase, glucose, gluconolactone binding 6484.
exo-1,4-α-D-glucosidase, mmobilization, use, Sepharose-6MB 9147.
exo-1,4-α-D-glucosidase, N-terminus, C-terminus, amino acid sequence 7315.
infection, disease control, association, fungicides seed treatments, Arachis population density, prometryne, triffuralin, roots exudates effects on, Go hirsutum 8706.
relationship, roots exudates, counting methods, equipment 575.
respiration, urea folia application effects on, Trificum aestivum 7820.
Rhizobium, nodulation, Leucaena leucocephala 5959.
Soil fertility effects on 7795.
Soil arm tuberosum, insecticides effects on 1512.
Trificum soil properties effects on 7797.
tropical environment plants, Azospirillum, identification, incidence 7853.
Zea mays, effects on minerals uptake 4190.
hizosphora. hypogaea 2291.

post-harvest decay, cantaloupes, control, use, benomyl+guazatine 6835.

spoilage, effects on fatty acids, peanuts 4053. post-narvest oceay, cantaloupes, control, use, benomyli-guazatine spoilage, effects on fatty aoids, peanuts 4053.

Rhizopus arrhizus, post-harvest decay, etiology, Manihot esculenta 3102. post-harvest decay, prunes 5801. stem rot, pathology, Nicotiana glauca 5762. uranium adsorption, chitin effects on 8714. use, hydroxylation, steroids, reviews 7218. verrucarin A, verrucarin B, transformation, 16-hydroxyverrucarin A, 16-hydroxyverrucarin B 7503.

Rhizopus chinenels, pepsin biosynthesis, liquid culture 100. proteinase pepstatin complex, X-ray diffraction 1904. purification, characterization, proteinase 41.

Rhizopus delemar, biotin biosynthesis, optimization 6626. biotin production 1972. Rhizosphora, dieback+canker, Gambia 1454 Gleback-trainer, and thought, β-lactam antibiotics 2503. biodegradation, aniline 7556. identification, use, immunodiffusion 2664. Nocardia, identification, use, bleomycin sensitivity 671. Nocardia, usrimication, use, been principle, aniline utilization 3786. conversion, (122)-labda-8(17), 2,14-trien-18-ot, 4,18,19-trinor-3,4-seco-5-oxo-(122)-labda-8(7),12,14-trien-3-oic acid 8438. sclared, ablenot, conversion, plasmids association 8437.

Rhodococcus erythropolis, (continued)
α.α-trehalose-2,3,4,2'-tetraesters production 4709.
Rhodococcus rhodochrous,

ppane assimilation 628

Rhodococcus indodothous, propana assimilation 628 hododomous propana assimilation 628 hododomous propana assimilation 628 hododomous propana assimilation 628 hododomous propana propagation of the production of the propagation of the propagat

ignt-harvesting proteins, solubilization, detergents extraction methodology 9028.

Ipopolysacchandes, lipid A, characterization 8332.
Laritate dehydrogenase+D-maiate dehydrogenase (decarboxylating) bifunctional enzymes, purification, characterization 7415.

L-)-laritate hydro-lysac production 2796 ome b, isolation, characterization 4564.

ubiquinol-cytochrome c reductase, cytochrome b, physicochemical properties 4692.

uroporphyrinogens biosynthesis, enzymes systems 9206.

Rhodopseudomonas aphseroides f.sp.denitrificans,
dentirification effects on nitrogen fixation 5125.

Rhodopseudomonas viridis,
thylakoids, reaction centers, cytochrome c2, purification 6392.

Rhodospirillium rubrum,
carotenoproteins, spirilloxanthin configurations, Raman spectroscopy 6625.

chromatophores, ATP regeneration 3733.

coupling factor 1, inactivation, histidine residues diethyl pyrocarbonate
chemical modification 8285.

cytochrome c', subunit association, N.M.R., ultracentrifugation, light scattering

7296.
glucose-1-phosphate adenylyltransferase, purification, characterization 26. illumination, hydrogen production, nitrogen sources analysis 8366. nitrogenase biosynthesis, relationship, culture concentration Rhodopseudomonas capsulata 3687. nitrogenase, subunits composition, activation, inactivation effects on 76. ribuiosebisphosphate carboxylase, assays, stoichiometry 1889. ribuiosebisphosphate carboxylase, carbos binding 1882. ribuiosebisphosphate carboxylase, carbos binding 1882. ribuiosebisphosphate carboxylase carbosylase, carbos binding 1882. ribuiosebisphosphate carboxylase mechanisms, intermediates radioactive labelling

ribulosebisphosphate carboxylase mechanisms, intermediates radioactive labelling

ribulosebisphosphate carboxylase mechanisms, intermediates radioactive labelling

nDulloseoisprosprate Carboxylase mechanisms, intermediates radioact 67.

87. nitrodespriation of the carboxylase, purificcation, characterization 6424. Rhodosportidium, enzymes, electrophoresis 7422.

Rhodospeudomonas sphaeroides, reaction centers, cytochrome c binding sites, cross-linking dimobispropionimidate, dimethyl suberimidate 3651.

Rhodotorula, enzymes, electrophoresis 7422.

ethanol production 7527. food contamination, fruit juices, Venezuela 7574.

Rhodotorula glutinia, nerolido propieta de la propieta del propieta de la propieta de la propieta del propieta de la propieta del la propieta del la propieta de la propieta del la propieta de la propieta de la propieta del la propieta de la propieta del la

Rhodotorula gracilla, lipids biosynthesis, carbon sources, nitrogen sources effects on 7464. Rhodotorula mucliaginosa, immobilized cells, benzaldehyde conversion, benzyl alcohol production 8440. Rhopalosiphum maidla, vectors, maize chiorotic dwarf virus, maize dwarf mosaic virus, pesticide applications, soil, carbofuran 7738. vectors maize dwarf mosaic virus, disease control, oil, Zea mays 6843. Phopalesiphum paidl.

vectors maize awarr musale virus, usease control of the Monalosiphum padi, Rhopalosiphum padi, barley yellow dwarf virus, infection, Hordeum vulgare, Avena sativa, effects on, disease transmission 8553. disease transmission, barley yellow dwarf virus, USA, Missouri 1164.

Rhus vernicifera, laccase reconstitution, copper thionein complex, Saccharomyces cerevisiae 6497

Rhynchosporium, infection, Lolium perenne, Lolium multiflorum, incidence, British Isles 5721 leaf blotch, Lolium, pathology 6768

Rhynchosporium oryzae,

Rhynchosporium oryzae, phytotoxicity, pathogenicity, scald, Oryza sativa 9348. Rhynchosporium secalis, infection, Hordeum, herbicides effects on spores quantity 486. leaf blotch, disease control, fungicides, plant breeding, crop rotation, Hordeum vulgare 5809. leaf blotch, Hordeum vilgare 5728. leaf blotch, Hordeum vilgare 5728. leaf blotch, Hordeum vilgare 5728. leaf blotch, Hordeum vilgare 5730. pathogens, disease resistance, association, Hordeum spontaneum fertility 6759. scald, disease resistance, Hordeum vilgare, genetic analysis 451. scald, phytotoxins binding membrane proteins, receptors, Hordeum vulgare 9346. Ribavirin,

scald, phytotoxins binding membrane proteins, receptors, Horoeum vuig Ribavirin, antiviral activity 7948. antiviral activity, influenza A virus 3359. antiviral activity, influenza A virus 3361. disease control, potato virus X, Nicotiana tabacum 2271. drug resistance, fowl plague virus mutants 630. effects on rhabdovirus replication 6086. grapavine leaf roll virus infection, Vitis vinifera, effects on pathogenesis code.

njection, disease control, apple mosaic virus, Malus pumila 9500. treatment, potato virus X, potato virus S, infection, Solanum tuberosum 8581. treatment, viruses infection, plants 312. use, potato virus X eradication. Solanum tuberosum cultivars 1239.

Ribes, infection, vein banding virus 2180

Ribes nigrum, leaves, sakuranetin, anthungal activity, Botrytis cinerea 1332, portugues, sakuranetin, anthungal activity, Botrytis cinerea 1332, portugues, Sphaerotheca mors-uvae, disease resistance 7748, young plant breeding, disease resistance. Sphaerotheca 1345, sakuranetin, defense secretions, antifungal activity, Botrytis cinerea 1379.

saxuranetin, detense secretions, antifungal activity, Botrytis cinerea 13/9 Ribes rubrum,
× Ribes nigrum, plant breeding, disease resistance, Sphaerotheca 1345. Ribgrass mosale virus,
host-pathogen interactions 2094.
infection, Plantago 2174.
Ribocitrin,

structure, dextransucrase inhibitors, Streptococcus mutans 3686.

Riboflavin,
effects on citric acid production, Aspergillus niger 5468.

± hydrogen peroxide, inactivation, alfatoxin M1, milk 285.

± hydrogen peroxide, inactivation, alfatoxin M1, milk 285.

+ magnesium chloride, + aromatic compounds, media (culture), photoactivation, bactencidal activity, Salmonella typhimurium 8781.

Riboflavin 5: "phosphate,
mobility, flavodoxin, N.M.R., Megasphaera elsdenii 7302.
1-p-D-Ribofuranosyi-5-pherylcytosines,
antiviral activity 7944.
1-p-D-Ribofuranosyi-5-(2-chlorophenyl)-2-thiocytosine,
antiviral activity 7944.
9-p-D-Ribofuranosyi-gheria-6-carboxamide,
analogs, production, antiviral activity 5212.
2-p-D-Ribofuranosyi-gelenazole-4-carboxamide,
antiviral activity 8797.
Ribonuclesse,

amviral activity 6/9/. **Ribonuclease,** purification, characterization 1854.

Bacillus intermedius, conformational analysis, tryptophan residues 2768.

Bacillus, purification, characterization 1937.

Bacillus, purification, characterization 1937. immobilized enzymes, yeasts 1907. induction, Nicotiana tabacum tissues, tobacco necrosis virus infection 318. inhibition, tobacco mosaic virus replication, Nicotiana tabacum 6885. kinetics, comparison immobilized enzymes, use oligoribonucleotides synthesis, Bacillus intermedius 82124 enzymes, use oligoribonucleotides synthesis, Bacillus intermedius 82124 enzymes, use oligoribonucleotides synthesis, Bacillus intermedius 82124 enzymes, use oligoribonucleotides yenthesis, Bacillus intermedius 82124 enzymes, un automobilization, plants 2095.

ZUPS.
pancreas, Bacillus intermedius, Streptomyces rimosus, antiviral activity, pseudorabies virus, foot-and-mouth disease virus 6077.
Saccharomyces cerevisiae, heat shock inducton 4689.
Streptomyces rimosus, antiviral activity, foot-and-mouth disease virus, Ayezeku virus 2492.
Vigna sinensis, Cucumis sativus, tobacco necrosis virus infection, osmotic stress effects on 413.

incorporation, Veillonella parvula, association, lipopolysaccharides biosynthesis 8333

Ribose isomerase, purification, characterization, Mycobacterium smegmatis 4652. Ribose-binding protein, purification, characterization, Escherichia coli 6375.

purification, characterization, Escherichia coli 6375. Ribosomal protein L29,

tertiary structure, hydrodynamics, C.D., N.M.R., Eschenchia coli 1838. Ribosomal protein L30,

tertiary structure, hydrodynamics, C.D., N.M.R., Escherichia coli 1838. Ribosomal protein \$1,

ninosomal protein \$1, amino acid sequence statistical analysis, Escherichia coli 4567. Ribosomal protein \$14, amino acid sequence, secondary structure predictions, Escherichia coli 4566. Ribosomal proteins,

Ribosomai proteins, busynthesis regulation. Neurospora crassa 4562. Escherichia coli, ribosomai subunit 30S, fractionation, high-performance liquid chromatography 1775. Podospora anserina, association emetine resistance 3274. C.D., N.M.R., ribosomai subunit 50S, Escherichia coli 7298. Ribosomai subunit 30S, Escherichia coli 7298. Escherichia coli, ribosomal proteins, fractionation, high-performance liquid chromatography 1775. Ribosomai subunit 50S, crystal structure, electron microscopy, Bacillus stearothermophilus 4563. robosomal proteins, C.D., N.M.R., Escherichia coli 7298. lyrosine residues, iodination, Escherichia coli 7289. Ribosomes, Escherichia coli, alkyl dimethylbenzyl ammonium chloride effects on 5184. Escherichia coli, dissociation, aminoacyl-tRNA hydrolase, erythromycin,

+teichomycin, +vancomycin, antibacterial activity, Staphylococcus, Streptococcus

trimethoprim, synergism, in vitro, antibacterial activity, bacteria drug resistance 6163.

lessitative of oil.

4 vancomycin, ± gentamicin, antibiotic synergism, antibiacterial activity, methicillin resistance Staphylococcus 7126.

4 vancomycin, antibiacterial activity, Enterobacteriaceae 772.

Yersina pestis antibiotic sensitivity testing 6110.

Ribosomes, (continued) carbomycin, spiramycin, effects on 1630, membranes, Bacillus licheniformis, biosynthesis, α-amylase, α-D-glucosidase 8295. protein biosynthesis, methanogenic bacteria, antibiotic sensitivity testing 2423. protein composition, Mycoplasma capricolum 929. relationship, RNA polymerase, biosynthesis, Bacillus subtilis 1940. tyrosine residues, iodination, Eschenchia coli 7289. derivatives, synthesis, antibacterial activity 8853. Steptomyces ribosidificus, biosynthesis, transamination role, neosamine C formation 8909. formation 8909. Ribulosebisphosphate carboxylase, Chromatium vinosum, purification methodology 5409. mechanisms, intermediates radioactive labelling, Rhodospirillum rubrum 83. mechanisms, intermediates radioactive labelling, Rhodospirillum rubrum 85. mechanisms, intermediates radioactive labelling, Rhodospirillum rubrum 87. purificaciton, characterization, Rhodospirillum rubrum 6424. Rhodospirillum rubrum, assays, stoichiometry 1889. Rhodospirillum rubrum, cations binding 1882. use, media (isolation), proteolytic bacteria, rumen microorganisms, cattle 7243. Rice, Aspergillus flavus, Aspergillus parasiticus, sporulation, aflatoxin B1, formation 2946. black tip, association, Alternaria, Curvulana, toxicity 3863. canning, food processing, food contamination 256. composition, microorganisms food contamination effects on 7588. Rice dwarf virus, disease reasmission, Recilia dorsales, Nephotettix nigropictus, Oryza sativa 6773. Rice gall dwarf virus, disease transmission, Nephotettix vectors, Oryza sativa 4987. disease transmission, Recilia dorsales, Nephotettix nigropictus, Oryza sativa Rice necrotic mosaic virus, infection, Ludwigia perennis, effects on growth 5777. Rice atripe virus, disease resistance, rice dwarf virus, genetic relationship, Oryza sativa 6773. Rice tungra virus, disease resistance, rice dwarf virus, genetic relationship, Oryza sativa 6773. Rice tungra virus, disease of Oryza sativa euspentihility, incidence 1156. Hice tungra virus, infection, Oryza sativa, susceptibility, incidence 1156. Rice tungro virus, disease transmission, Nephotettix virescens vectors, Oryza sativa 360. disease transmission, vectors, chemical control, plant extracts, Nephotettix disease transmission, vectors, chemical control, plant extracts, Nephotettix virescens 7737. host range, Nephotettix virescens, Nephotettix nigropictus vectors, Oryza 4951. infection, induction proline, leaves, Oryza sativa 1157. infection, Oryza sativa, insecticides, disease control, vectors 8613. transmission, Nephotettix, Oryza sativa 6761. vectors, Nephotettix virescens, disease control, insecticides 6847. Rice walka virus, transmission, Nephotettix, Oryza sativa 6761. Rice yellow mottle virus, host range, Gramineae 8555. infection, Oryza glaberrima, disease resistance genes identification 4968. Oryza sativa, Nigeria 7672. Richus communis, toxins, interferon conjugation, antiviral activity 3348. Rickettsia, antibactorial activity, tetracycline, rifampicin 1640. Rickettala prowazekil, antibacterial activity, antibiotic synergism, tetracycline, penicillin, rifampicin, chick embryos 7969. antibacterial activity, tetracycline, rifampicin 1640. antibacterial activity, tetracycline, rifampicin 1640. Rickettala rickettall, doxycycline sensitivity 1639. Rickettala sibilirca, antibacterial activity, antibiotic synergism, tetracycline, penicillin, rifampicin, chick embryos 7969. antibacterial activity, tetracycline, rifampicin 1640. Rickettala-like organisms, isolation, phony disease, Prunus persica, culture, pathogenicity 6787. plant diseases, vectors, Insecta 1120. rosette, vectors, Piesma quadratum, Beta vulgaris 6810. Isolation, priori usease, rusecta 1120. Plant diseases, vectors, insecta 1120. Risette, vectors, Piesma quadratum, Beta vulgaris 6810. Risette, vectors, Piesma quadratum, Beta vulgaris 6810. Risette diseases, vectors, Piesma quadratum, Beta vulgaris 6810. Risette diseases, vectors, Piesma quadratum, Beta vulgaris 6810. Antibacterial activity, Legionella pneumophila 9738. antibacterial activity, Mycobacterium leprae 3419. antibacterial activity, Staphylococcus aureus 3383. antibacterial activity, Staphylococcus, clinical isolates 8804. antibacterial activity, Staphylococcus, clinical isolates 8804. antibiotic resistance, Escherichia coli, urinary tract clinical isolates 7034. antibiotic resistance, Pioric cholerae, β-D-galactosidase, catalase, alkaline phosphatase activity 6018. antibiotic sensitivity testing methodology comparison 6090. antibiotic synergism, antibacterial activity, Mycobacterium intracellulare 3039. antibiotic synergism, antibacterial activity, Mycobacterium intracellulare 3039. antibiotic synergism, antibacterial activity, Mycobacterium phosphatase activity, Betales, antibiotic synergism, antibiotic sureus, phagocytosis, phagolysosomes, phactericidal activity, Demataceae 7929. antimycobacterial activity, Mycobacterium ativity, Mycobacterium avium-intracellulare subspiejuni drug sensitivity testing 4292. ± dimethyl sulfoxide, antimycobacterial activity, Mycobacterium avium-intracellulare activity, Bataphylococcus aureus, phagocytosis, phagolysosomes, phactericidal activity, Bataphylococcus aureus, phagocytosis, phagol

Rifamyoin, antibiotic resistance, Bacillus subbilis, mutants, sporulation 7901. derivatives, antibacterial activity 8858. derivatives, synthesis, structure 8861. Rifamyoin B, Nocardia mediterranei, biosynthesis, pH effects on 6165. solutions stability, physicochemical properties 8860. Rifamyoin B oxidase, purification, substrate specificity, Monocillum 2766. Rifamyoin B, oxidase, purification, substrate specificity, Monocillum 2766. Rifamyoins, biosynthesis, Nocardia mediterranei recombinants 6164. derivatives binsynthesis. Nocardia mediterranei secretario 4 derivatives. biosynthesis, Nocardia mediterranei recombinants 6164.
derivatives, biosynthesis, Nocardia mediterranei, association 4-substituted
3-amino-5-hydroxybenzoic acid 1628.
synthesis, ambacterial activity 5260.
Ritt Valley fever virus,
enzyme-linked immunosorbent assay 9654.
Rigidiporus Ilgnosus,
rot, Hevea brasiliensis, pathogenesis 5081.
Rigidoporus Ilgnosus,
infection, Hevea brasiliensis roots, pathogenesis 5879.
Rinderpest virus,
antigens, detection, fluorescent antibody test, methodology, diagnosis, cattle
830.
antigens, detection, immunoorecipitation 2658. antigens detection, immunoprecipitation 2658. Ring rot, +potato virus S, potato virus X, infection, effects on, Solanum tuberosum yield 1230. Ringspot, Ajuga reptans, association, tobacco streak virus, broad bean wilt virus, cucumber mosaic virus, alfalfa mosaic virus 3043. Pornus, Malus, ilanvirus isolates 5740. ilpening, cheddar cheese, contamination, aflatoxin M1 levels 281. cheddar cheese, contamination, aflatoxin M1 levels 281. cheddar cheese, sodium chloride

prowth, enterotoxins biosynthesis 2037. cheese, amino acids levels, bacteria 5603. cheese, contamination, aflatoxin M1 levels 282. cheese, lactic acid bacteria, soybean milk, organoleptic properties 3823. cheese, lactic-acid bacteria, soybean milk, organoleptic properties 3823. cheese, lactic-acid bacteria, temperature effects on 8460. cheese, Lactobacilius helveticus, Lactobacilius biugaricus, Lactobacilius tactis, effects on 200. cheese, Lactobacilius levels, cheese flavor chemical analysis 2906. effects on 200.

cheese, Lactobacillus levels, cheese flavor, chemical analysis 2906.

cheese, salt, effects on, proteolysis 221.

delects, Lycopersion esculentum frunts, association tobacco mosaic virus
infection, disease resistance 4094.

effects on, altatoxun M1 levels, contamination, cheese 280.

Lycopersicon esculentum, 1-aminocylcopropane-1-carboxylate synthase, Streptomyces
griseolus, sinefungin, inhibition 7593.

salami, food contamination, bacteria 2030. Ristocetin-u-aglycone, antibacterial activity, gram-positive bacteria 3429. artitudates and security and se Salmonella clinical isolates, antibiotic sensitivity testing 6112. Yersinia pestis antibiotic sensitivity testing 6110. Ristomycin A, structure 1642. INPER, Ilevels, coliforms, saprophytes 8066.
British Isles, tobacco necrosis virus isolation, infection, Chenopodium 4020.
contamination, Escherichia coli, coliforms, phages, Yugoslavia 2620.
contamination, mines waste water, temperature effects on bacteria iron oxidation 5134.
cological distribution, Pseudomonas aeruginosa, incidence 2621.
Egypt, drinking water contamination, bacteria 2618.
Egypt, drinking water contamination, bacteria 2618.
Egypt, drinking water contamination, bacteria 2618.
Egypt, drinking water contamination, and proposed policy of the proposed RNA, association thymidylate synthase, Streptococcus faecium 4598. avocado sunblotch disease viroid, detection, Persea americana infected leaves cucumber mosaic virus, defection, Nicotiana glauca extracts 5783 cucumber mosaic virus, defection, Nicotiana glauca extracts 5783.
double-stranded, extraction methodology, rotavrus 6292.
double-stranded, isolation, viruses infected plants, methodology 3897.
double-stranded, isolation, viruses infected plants, methodology 3897.
double-stranded, regulation interferon, antiviral activity, vesicular stomatitis
virus, encephalomyocarditis virus, L cells 7105.
fluorescent probes, biotin labelling, use phage T4 polyribonucleotide synthetase
(ATP) 9833.
isolation, ion-sychange chromatography, yeasts 5490. isolation, ion-exchange chromatography, yeasts 5480. lucerne transient streak virus, induction, lesions, Chenopodium amaranticolor

Rifampicin, (continued)

RNA, (continued)

NA, (continued) tobacco mosalic virus, yeasts, degradation, ozone 1592. transcription, polyoma virus infected cells, actinomycin D resistance 3306. virudas, sturti. Archium tomentosum, Archium lappa, etiology 4021. viruses, hybridization analysis, plant cells, detection, plant cells 6299, white lead disease, cucumber mosaic virus, relationship, infectivity. Lycopersicon, esculentum 2195.

Write tear disease, ductiment modes in the control of the control

2-thiouracii, effects on, tobacco mosaic virus 5220.

PIMA phages,
coliforms, typing, sewage sludge, Africa 6269.

RNA polymerase,
genes, Escherichta coli, rifampion effects on transcription 1627
mutants, structure-activity relationship, Escherichta coli 4661.
purification, characterization, Helobacterium halobium 7334. punfication, charactenzation, Halobacterium halobium 7334, relationship, ribosomes, biosynthesis, Bacillus subtilis 1940.

RNA polymerase I, activity, phosphorylation regulation, Saccharomyces cerevisiae 4599.

RNA polymerase (I), activity, phosphorylation regulation, Saccharomyces cerevisiae 4599.

RNA polymerase (RNA-dependent), activity, platura stramonium, potato virus X infection 9374.

mkNA, isolation methodology, Physarum polycephalum lysates 7268, methylation, S-adenosylhomocysteine, analogs, effects on, vaccinia virus 3349, SV40 transformed cells; isolation, membrane filtration 829. mRNA (guanine-7-)-methyltransferase, purification, characterization, Saccharomyces cerevisiae 8272, mRNA guanylytransferase, purification, characterization, Saccharomyces cerevisiae 6510, rRNA 215, genes, useeds with a second process of the second process of

s, yeasts mitochondria, erythromycin resistance 1526.

labelling, phage T4, polyribonucleotide synthetase(ATP) use 9860.

IRNA (gueninine-7-)-methyttransferase,
purification, characterization, Salmonella typhimurium 6509.

Roads,

Hoads, salts, pollution effects, enzymatic activity, soil microorganisms 7801.

Roccal-D, antibacterial activity, Salmonella cholerae-suis, Staphylococcus aureus, Pseudomonas aeruginosa 7918.

habitat, microorganisms, ecophysiology, Antarctica 9548, uranium mobilization, mycelia growth, Aspergillus, penicillium 7014

Rodentia, feeding damage, Cronartium, blister rust, Pinus 2318.

Rodogyl, antibacterial activity, oral cavity isolates 8864

interaction DNA, role antifungal activity, mutagenesis 4309.

Rondomycin,
antibiotic resistance, Escherichia coli, urinary tract clinical isolates 7034.

Leguminosae, nodulation, role indole-3-acetic acid, Rhizobium 1509. Root rot,

Leguminosae, nodulation, role indole-3-acetic acid, Rhizobium 1509.

Notor tot,
Abies alba, Phytophthora, pathology, incidence 4150.
Abies alba, Phytophthora, pathology, incidence 4150.
Aphanomyces eufeiches f.sp.pisi, pathogenesis, Pisum sativum 9319.
Aspergilius flavus, herbicides, disease control, Arachis hypogaea 2277.
Beta vulgaris, disease control, suifur 3157.
Carica papaya, Phytophthora palimivora, disease control 1213.
Cliera dietinum, Rhizoctoma bataticola, biological control, Streptomyces, Stachybothys atra 7455.
ctocybe tabescens, Prunus persica 2151.
Clitocybe tabescens, Frunus disease control, Malus pumila 492.
Cylindrociadium crotalarae, pathology, Glycine max, Meloidogyne incognita, growth regulators, effects on 3999.
disease resistance, genetic analysis. Carica papaya 1343.
Erwinia, disease resistance, plant breeding, Beta 1376.
Lingi, Irriticum aestivum yield, factors effecting 1179.
Lingicides disease control, Lycopersicon esculentum, Solanum melongena 6872.
Fusanum graminearum, nitrapyrin disease control, Triticum aestivum seedilings 4109.

Husi.

Fusanum, Leguminoseae 5681.

Fusanum monitiforme, pathology, Sorghum bicolor 8560.

Fusanum oxysporum, ectomycorrhizas, Laccaria laccata, protection, Pseudotsuga menziesii 3173.

menzussii 3173.
Fusarium oxysporum f.sp.radicis-lycopersici, epidemiology, Lycopersicon esculentum 3998.
Fusarium oxysporum f.sp.pisi tetragonolba 5676.
Fusarium solani f.sp.pisi, Pythium ultimum, Aphanomyces euteiches, interaction stem rot, Phizocotonia solani, Pisum sativum 9328.
Glycine max, disease control, fungicides seed treatments, USA, Ohio 7772.
Glycine max, Phytophthora megasperma f.sp.glycinea, treatment, metalasyl-phytoplasmis 503.
Gramineae 4959.
Heterobasidion annosum, disease resistance, surveys, Picea abies, Norway 691.

Heterobasidion annosum, disease resistance, surveys, Picea abies, Norway 6918. Heterobasidion annosum, Verticicladiella, susceptibility, Scolytidae pest attack.

Prinus ponderosa 5865.
Hordeum vulgare, planting density effects on, Cochliobolus sativus 7674.
Lycopersicon esculentum, calyptella campanula, new records 4026.
Macadamia integrifolia, Kretzschmaria clavus infection, perithecia relationship

Root rof. (continued)
Medicago sativa, Phytophthora megasperma f.sp.medicagnis, USA, Wyoming 3921.
Medicago sativa, Pseudomonas vindiflava 6744.
mortality, Pseudotsuga, Abies, Pinus, forests 5075.
Myrothecum orndum, Myrothecum verrucana. Medicago sativa, Trifolium tembense,

root rot 9329, pathogens, inhibition, rhzosphere microorganisms, plants 1118. Phaseolus vulgans, incidence, USA, Wisconsin, binassays 3923. Phelimus wein, disease spread, Pseudotsuga menziesii 5072. Phelimus wein, disease spread, Pseudotsuga menziesii 5072. Phelimus wein, disease spread, Pseudotsuga menziesii 5058. Phymatotrichum omnivorum, Phytophthora cryptogea, Cichorium intybus 5006. Phytophthora cinnamomi, calcium nitrate, ammonium sulfate, effects on, Persea indica 2147.

Indica 2147.

Phytophthora cinnamomi, metalaxyl disease control, Abies frasen 5867.

Phytophthora cinnamomi, Sciadopitys verbcillata 5749.

Phytophthora cinnamomi, seedlings, trees 1463.

ytophthora cinnamomi, soil temperature, inoculum, effects on, Abies fraseri

\$672
Phytophthora, disease control, trees, silviculture 2317.
Phytophthora, disease tolerance, Glycine max, plant breeding, USA, Ohio 7656.
Phytophthora megasperma I.sp, glycinea, Glycine max 1135.
Phytophthora megasperma I.sp, glycinea, metalaxyl, Glycine max 1420.
Phytophthora megasperma I.sp, glycinea, Ribcobium japonicum nodulation effects on pathogenicity, Glycine max 5669.
Phytophthora megasperma I.sp, glycinea, Phibobium japonicum nodulation effects on pathogenicity, Glycine max 5669.
Phytophthora megasperma I.sp, medicaginis, ecological distribution, disease resistance, Medicago sativa 3913.
Phytophthora incibatane var.parasitica, fungicides disease control, seedlings, citrus lemon 484.
Phytophthora parasitica, disease control, metalaxyl, aluminum tris I-0-ethyl.

citrus lemon 484
Phytophthora parasibca, disease control, metalaxyl, aluminum tris (-0-ethyl phosphonale, Citrus paradisa 5065.
Phytophthora, Vaccinum conymbosum, new records, USA, Arkansas 1263.
Pseudotsuga menziesii, Fusarium oxysporum, suppression, ectomycorthizas 4144.
Phythium ulimum, dinoseb, treatment, Phaseolus vulgans 1387.
Rhizoctonia bataticola, Cicer anethnum, factors affecting, rhizoplane microorganisms, rhizosphere microorganisms 7651.
Rhizoctonia bataticola, disease resistanca, seedlings exudates, Cicer anethnum

Rhizoctonia solani, cultivation techniques, Beta vulgaris 1279. Rhizoctonia solani, Fusarium, pathogenicity, Medicago sativa, Egypt 5675. Rhizoctonia solani, growth conditions, Phyliarthus emblica. Quercus serrata, Citrus 6915.

Citrus 6915.

Rhzoctonia, susceptibility, Gossypium hirsutum, relationship, radicle exudates, +chiling 4030.

Sclerotinia trifoliorum, disease resistance, Trifolium pratense 2251.

Thanatephonus cucumeris, virulence, Beta vulgaris 5008.

Trematosphaeria circinaris, Medicago sativa, USA, South Dakota 8532.

Trifolium repens, ethology, Rhizoctonia 8537.

Tribcum aestivum, fullow land effects on 379.

Tribcum aestivum, fullow land effects on USA, Colorado, USA, Wyoming 6776.

Verticullum dahliae, soil acidification inhibition, Datura stramonium 6837. Rooting,

Catharanthus roseus cuttings, mycoolasma-like organisms infection 1310. Roots.

Agropyron trachycaulum, vesicular-arbuscular mycorrhizas colonization, soil amendment, revegetation, land reclamation, mines 9542. diskaline phosphatase levels, vesicular-arbuscular mycorrhizas. Vigna unguiculata 9560

Arachis hypogaea, acid phosphatase, alkaline phosphatase, Glomus fasciculatum 6947

ossy. association, mycorrhizas, biomass, Vicia faba 553. attachement Rhizoblum trifolii, nitrate inhibition, trifolium repens 4242. Basidiomycetes decomposition, nutrient cycles, population dynamics, Quercus robur 5861.

5861.

Beta vulgans, Phoma betae infection, symptoms 3996.

Catharanthus roseus, detection, mycoplasma-like organisms 3054.

cells, Zea mays, usethosponum maydis, phytotoxims, bioassays 8552.

Cocos nucifera, witt, pathogenesis 1227.

crop residues, Fusarum culmorum infected, role, infection, Triticum aestivum, Hordeum vulgare, Lolium perenne 3961.

Cucumis sativus, disease spread, Pseudomonas syringae pv.lachrymans 4997.

cytology, mitrosis, Sorghum vulgare seedlings, Penconia circinata phytotoxins effects on 3344.

ucus carota, phytoalexins, antimicrobial activity, bacteria, fungi 5057

Daucus cardia, phytoalexins, animicrobial activity, bacteria, tungi 5057, endomycomhizas infection, soil moisture effects on, Juglans nigra 6900. Eucalyptus marginata, Pinus radiata, mantles, calcium oxalate crystals detection association ectomycomhizas symbiosis 4211. exudates, crop fields, metabolism, rhizosphere microorganisms 5888, exudates, Glycine max, Vigna unguiculata, nitrogenase activity, Rhizobium japonicum 3225.

exudates, relationship, rhizosphere microorganisms, counting methods, equipment

575.
https://doi.org/10.1009/1

growth, Psolithus tinctionus effects on Malus domestica, association, indole-3-acette and 591 growth, plant diseases, fungi, epidemiology, reviews 3903, growth rate, mycorrhizas, Pisolithus tinctorius, Eucalyptus st-johnii 6950. Hevea brasiliensis, Fligdoporus lignosus infection, pathogenesis 5879. Hordeum vulgare, Erysiphe graminis infection 355. Hordeum vulgare, growth, watter stress, powdery mildew, Erysiphe graminis f.sp. horder 3935. Hordeum vulgare, Phizoctonia solani, penetration 2132. infection, endomycorrhizas, inoculation, ultrastructure, morphology, Erica carnea 9504.

pomea batatas, extracts, agglutination, Ceratocystis fimbriata, spores, host specificity, black rot 3095 leguminosae, ethylene biosynthesis, Rhizobium nodulation, sulfur fertilizers effects on 1503.

```
Roots, (continued)
```

Continued:
Luprius albus, growth, microorganisms effects on 582.
Lycopersicon esculentum, penetration, pathogenesis, association, Fusarium oxysporum, Fusarium oxysporum, Fusarium oxysporum, Fusarium oxysporum, Fusarium oxysporum fusarium, Fusarium oxysporum, Fusarium, Fusarium oxysporum, Fusarium, Fusar

9537

Oryza sativa, association nitrogenase activity 8695.
Pinus, ozone effects on Fornes annosus pathogenicity 541.
Pinus pinaster, ectomycorrhizas, Pisolithus tinctorius, chitin, biomass assays

9506
Pinus strobus, Pisolithus tinctorius, Hartig net, cytology 9510.
Pinus taeda, Pinus strobus, plant diseases, association, Verticicladiella 5873.
Pissodes approximatus, Hylobius, infestation, Verticicladiella procera infection, relationship air poliution sensitivity, Pinus strobus 5866.
Plant diseases, crops, fungi, bacteria 9411.
Poa pratensis, adhesion, Klebisella pili, purification, characterization 8660.
Poncirus trifoliata× Citrus sinensis, exudates effects on spore germination, Glomus epigaeum 1477.
Pruning, Gleditisia triacanthos, association Nectra crinabarina canker 9525.
Pseudotsuga menziesii, tungi infection, incidence 4162.

Pseudotsuga menziesi, fungi infection, incidence 162. Pseudotsuga menziesi, fungi infection, incidence 162. Pseudotsuga menziesi, veriricucialeita wagenen black stain 9526. Sorghum bicolor, fungi colonization 5715. Sorghum bicolor seedlings, carbon compounds exudates, nitrogen-fixing bacteria inoculation 4243.

Inoculation 4243.

Spartina alterniflora, salt marshes, localization, nitrogeri-fixing bacteria 6987.

surfaces, peridontal diseases, citric acid, antibacterial activity 2457.

symptoms, mycoplasma-like organisms yellowing. Cocos nuclera, Jamaica 2228.

trees, stems, isolation, Cylindrocladium, Fusarium, media (selective) 6352.

Trifolium alpinum, colonization, Rhizobium trifolii, fluorescent antibody test 6991. 6991.

6991.
Trifolium repens, colonization, mycorrhizas, seasonal variations 554.
Trifolium repens, exudates, lectins, binding capsules, Rhizobium trifoli 1508.
Trifolium repens, interaction, vascular-arbuscular mycorrhizas 5892.
Trifolium repens, invasion, New Zealand, fungi, Nematoda 5692.
Trifolium repens, Pythum irregulare, Phytophthora megasperma, soil microorganisms, infectivity 350.
Trifolium subterraneum, mycorrhizas, phosphate, cations uptake 559.
Trifolium aestivum, exudates, effects on nitrogen fixation, rhizosphere microorganisms 4237.
Trifolium subterraneum, mycorrhizas, phosphate, cations uptake 559.
Trifolium aestivum, acudates, effects on nitrogen fixation, rhizosphere microorganisms 4237.
Trifolium general capsularium aramineum infection, bacteria antagonism, clays Row width, Rubus idaeus, role, disease control, spur blight, USA, Ohio 7734.
Rubus idaeus, role, disease control, spur blight, USA, Ohio 7734.
Rowatinex,

riflects on 3008.

Triticum, freeze-thawing effects on Cephalosporium gramineum infection 376.
vesicular-arbuscular mycorrhizas spreading, phosphorus effects on, mathematical models 2329.

models 2329.

Vigna, genotypes, Rhizobium, nitrogen fixation 3234.

volume, Glycine max, soybean mosaic virus infection effects on 328.

Zea mays, incoulum, Pseudomonas, association, Rhizobium, methodology 3548.

Zea mays, nitrogen fixation 8699.

Zea mays, plant diseases, Rhizoctonia solani, Rhizoctonia zeae, interaction, herbiodes 5706.

Zea mays, Sorghum bicolor, nutrient uptake, role, Azospirillum brasilense 6988.

Zostera marina, nitrogen fixation 8696.

Malus, disease resistance, canker, Basidiomycetes 2259.
Roquefortine, biosynthesis, association, oxaline, Penicillium oxalicum 6698. biosynthesis, Penicillium crustosum 4896.
Rorddin A,

binding dehydrogenase active sites, Saccharomyces cerevisiae 7625.

Hosa, canker, disease control, fungicides 1410. Diplocarpon rosae infection effects on phylloplane microorganisms population dynamics 2200. disease control, powdery mildew, Sphaerotheca pannosa var.rosae 9385. outbreaks, witches' broom, mycoplasma-like organisms 5786. Powdery mildew control, fungicides 5044.

Rosa laxa,

Phragmidium mucronatum, rust, fungicides disease control 4115.

Phragmidium mucronatum rust, pathology 4045.

Rescaese,

Erwinia amylovora isolation, characterization 419.
rust susceptibility, relationship taxonomy 2201.

Rosamelich,

biosyrithesis, Micromonoepora rosaria, media (culture) 2726.

Rosaramicin, antibacterial activity, Campylobacter fetus subsp.jejuni, Campylobacter fetus subsp.intestinalis 8863.

antibiotic resistance, Ureaplasma urealyticum 2397.

Rootstocks.

Rosaramycin, enythromycin, tetracycline, spectinomycin, antibiotic sensitivity testing comparison, Mycoplasma pneumoniae 6092.

Rickettsia-like organisms, vectors, Piesma quadratum, Beta vulgaris 6810. Rosoxacin, antibacterial activity, urinary tract clinical isolates, nalidixic acid

antibacterial activity, urinary tract clinical isolates, handlike acid resistance 5195.

Ross River virus, polyarthrist, detection, immunoglobulin M serum levels, enzyme-linked immunosorbent assay, man 9834. polyarthritis, detection, immunoglobulin M serum levels, enzyme-linked immunosorbent assay, man 9834.

Rot Allium cepa, Pseudomonas marginata, association, Pseudomonas aeruginosa browning

3063
Botryotipidotia theobromae, bananas, post-harvest decay, fungicides control 5804.
Botrytis allii, disease resistance, Allium cepa 3986.
Botrytis allii, soil-borne diseases, inculum persistance, Allium cepa 2220.
Botrytis cinerea, Vitis vinifera fruits, agricultural practices effects on pathogenicity, USA, California 7685.
Colletotrichum gloeosponioides, Crassulaceae leaves, detection methodology 9447.
Conollus versicolor, Poria placenta, lignocellulose biodegradation, comparison, softwoods 170

Rot, (continued)

Erwinia carotovora subsp.carotovora, temperature, wound healing, susceptibility, Solanum tuberosum 3062.

Solanim tuberosum 3062.
Erwinia chrysanthemi, disease resistance, Solanim tuberosum subsp. andigena 3132.
Glomeralia cingulata, Capsicum frutescens, association, iron 3999.
Hevea brasiliensis, Phellinus noxius, Rigidiporus lignosus, pathogenesis 5081.
hypocotyls, Fusarium oxysporum, etology, Finus lamberiana 4180.
Macrophomina phaseolina, seed-borne diseases, pathology, Sesamum indicum 5022.
Phytophthora cactorum, effects on, Fragana, yield 5755.
Phytophthora cactorum, effects on, Fragana, peld 5755.
Phytophthora cactorum, effects on, Fragana, peld 5755.
Phytophthora, espagneria of the seed of the s

easts, seasonal variation, Opuntia stricta, food sources, Drosophila 3048.

notavirus, antibodies, detection, use, immunofluorescence+microplates 4471. detection, feces, enzyme-linked immunosorbent assay 9011. double-stranded RNA, extraction methodology 6292. serotyping, enzyme-linked immunosorbent assay 1743. staphylococcus, protein A, agglutination, assays 8105. Rotavirus (human), detection, acquitunation, sheep and blood cells actibility contains a service of the protein and services of the contains a service of the contains a

detection, agglutination, sheep red blood cells, antibodies coatings 9856, detection, enzyme-linked immunosorbent assay, solid phase methods, glass beads 5370

feces, detection, methodology comparison, man 9864, glycoproteins, purification, characterization, cell culture 7300. Rotavirus (similari),

notavirus (simishi), concentration, drinking water, membrane filtration, flocculation 3538.

Rotavirus (simish) SAT1, solicituding soli

rticillium dahliae infection, Gossypium hirsutum, effects on disease resistance

Rous sarcoma virus, antiviral activity, macrolide antibiotics 7941. transformation, chickens embryo cells, antiviral activity, 2-nitronaphthofuran

treatment, urinary tract infection, man 2430.

biodegradation, Deuteromycetes 1994. Rubella,

immune status determination, hemagglutination inhibition, immunofluorescence, latex agglutination, man 9842. man, immunoglobulins specificity, detection, enzyme-linked immunosorbent assay

Rubella virus,
antibodies, detection, agglutination methodology 9836.
immunoglobulin G, detection, enzyme-linked immunosorbent assay, antigens
attachment methodology 9851.
rubella, immunes attaus determination, hemagglutination inhibition,
immunofluorescence, latex agglutination, man 9842.
rubella, man, immunoglobulins specificity, detection, enzyme-linked immunosorbent

Tudenia, man, minimus globulins specificity. Gelection, interpretained immunosorbent assay 3531, serum antibodies, immune status, comparison, enzyme-linked immunosorbent assay, indirect hemagglutination, hemagglutination inhibition 9837, structural proteins identification, immunoprecipitation 1740.

vaccines, immunogenicity, storage effects on 4429 Rubidium,

Rubomycin,
Gultamate dehydrogenase (NADP *) activation, Neurospora crassa 4620.

Rubomycin,
Actinomadura antibiotic sensitivity testing 6109.
derivatives, synthesis, antibacterial activity, Bacteroides mycoides 2592.
N-moncethyl derivatives, characterization, antibacterial activity, Mycoplasma mycoides 781.

Intration preparation methodology 8211.

Rubrofusarin,
Fusarium culmorum biosynthesis 7016.

ubus,
Didymelia applanata infection, disease resistance 458.
disease resistance, yellows, etiology, raspberry bushy dwarf virus 464.
infection, vein banding virus 2180.
Kuehneola uredinis leaf rust, weed carbor, biological control, USA, Hawaii 9410.
nodules, ectomycorrhizas, Basidiomycetes 3208.
Peronosopra sparsa infection, oospree characterization 3997.
stuff, mycoplasma-like organisms, disease transmission, Alfygus mayri vectors

2169.
stunt, mycoplasma-like organisms, Philaenus spumarius vectors 3057.
Rubus fruticosus,
Phragmidium violaceum rust, host-pathogen interactions analysis methodology 9440.
Rubus idaeus,
disease control, antifungal agents 487.
disease resistance, Botrytis cinerea infection 466.
raspberry bushy dwarf virus infection, fields 9441.
rhizomes, overwintering, mycoplasma-like organisms 6816.
spur blight, row width, role, disease control, USA, Ohio 7734.
Rumen.

amaerobic bacteria, storage, viability 1802. bacteria, enumeration, media methodology 9890. comparison, digestion (anaerobic), oxygen effects on methanogenesis, spectrometry

fluids, cattle, bacteria proteins determination methodology 5408. fluids media, Ruminococcus albus cellulose digestion 8431. methanogenesis, oxygen inhibition, in vitro 8058. Rumen bacterla,

proteinase, structure-activity relationships 2793.

Rumen microorganisms,

bacteria, avoparcin effects on growth 8035.

Subject Index Rumen microorganisms, (continued)
bacteria, feeds diaminopimelic acid content effects on, role, markers, production
6680. ust, (continued)
Prunus domestica subsp.inistitiia 3967.
Triticum aestivum, fungicides treatment, association grain quality 7667.
Uromyces appendiculatus, interspecific relationships, Verticillium lecanii, population dynamics, Phaseolius viligans 2108.
Uromyces appendiculatus var appendiculatus, Phaseolius viligaris, chlorothalonii disease control 9491.
Uromyces appendiculatus, Vigna sinensis, Oman, new records 7661.
Uromyces phaseoli, Phaseolius viligaris, biological control, Baciltus subtilis Rust, (continued) pacteria, feeds chaminopimeric acid content eriects on, role, markers, production 6880.
biodegradation, Vitis vinifera stems, oxidation pretreatment 2009.
carbohydrate-degrading bacteria, biodegradation, cotton, pretreatment, ozone,
sodium hydroxide 1062.
cattle, formatidehyde effects on proteins metabolism 4857.
cattle, proteolytic bacteria, media (isolation) use ribulosebisphosphate
carboxylase 7243.
enumeration methodology 9889.
enumeration methodology 9889.
endei auturient requirements, counting methods, cellulose biodegradation 10007.
morensin effects on cellulose biodegradation 9260.
pure culture, carbohydrates effects on cellulose digestion 8425.
sheep, digestibility, Gossypium hirsutum crop residues, pretreatment, ozone,
sodium hydroxide 5634.
sheep, leeds, crop residues, digestibility 4870.
straw biodegradation, association, hydrolysis, oxidation 4751.
lumex sectessells, 9498.
Uromyces striatus, Medicago sativa, Egypt 5670.
Uromyces transversalis, Gladiolus, Brazil, new records 2203.
Uromyces viciae-fabae, disease resistance, inheritance, Vicia faba 2253.
Zea mays, pathogeness 1168.
Ruta graveolens,
callus-fungi mixed culture, acridone epoxides biosynthesis 7266.
Ryegrass moselic virus,
detection, enzyme-linked immunosorbent assay, Lolium multiflorum, Lolium perenne
6758. Ryegrass seed-borne virus, detection, enzyme-linked immunosorbent assay, Lolium multiflorum, Lolium perenne Rumex acetosella, disease reservoirs, tomato ringspot virus, prunus 1209. Ruminatia, 6758 Pleurotus ostreatus + Erwinia carotovora, culture, effects on, nutritive value, Triticum aestivum, straw 254. Triticum aestivum, straw 254.

Ruminococcus albus,
biodegradation, Medicago sativa cell walls cellulose 9259.
carbohydrates effects on cellulose digestion 8425.
cellulose degradation 5801.

Ruminococcus flavefaclens,
carbohydrates effects on cellulose digestion 8425.
nutrient requirements, media (culture) 9891.
rumen microorganisms, avoparcin effects on growth 8035.

Rumohra adlantiformis,
post-harvest decay, Rhizoctonia, Cylindrocladium pteridis, Cylindrocladium
heptaseptatum, pathogenicity, symptoms 1326.

Rust, Seccharomyces, ascospores heat resistance, erythromycin inhibition sporulation 1631. ethanol fermentation, factors affecting 1048. ethanol fermentation, factors affecting 1048.
ethanol production, 7527.
ethanol production, 7527.
ethanol production, catchy affecting 1046.
ethanol production, catchy affecting 1046.
ethanol production, role, membranes fatily acids 6633.
ethanol production, use, bamboo substrates 9225.
food contamination, firth juices, Venezuela 7574.
gas production, yogurt, identification 4840.
inoculum levels effects on ethanol yield 4729.
invertase biosynthesis. 8-hydroxyquinoline effects on 9184.
mixed culture, ethanol production 4736.
phenylacetylcarbinol production 1974.
sake fermentation, ethanol production 4736.
species, proteins, electrophoresis differentiation, classification 8208.
storage, biomass chemical composition, wine fermentation residues 7512.
viability, measuring techniques 5432.
wiid types, panthothenic acid, media (selective) 3628.
wine fermentation, role sterols 4743.
wine production, characterization 5568. ust,
Arachis, disease resistance 4082.
Chrysanthemoides moniifera subsp.moniifera, Aecidium osteospermi infection,
pathogenesis 427.
Chrysomyxa weirii, pathology, Picea pungens 8659.
Coffea arabica, mathematical models, incidence Hemileia vastatrix infection 2150.
Cronartium comptoniae, association, Phellinus pini, pathology, Pinus banksiana mu ripas, parimonene add, media (selective) 3628, wine fermentation, role storols 4743, wine production, characterization 5568.

Saccharomyoes aceti, profeiens, electrophoresis differentiation, classification 8208.

(Seccharomyoes anamensia, inmobilization, B-D-galactosidase purification methodology 901.

Saccharomyoes ballifi, acidity, heat inactivation, fruit juices 5636. heat inactivation, fruit juices 2039.

Saccharomyoes ballifi, acidity, heat inactivation, fruit juices 2039.

Saccharomyoes ballifi, acidity, heat inactivation, fruit juices 2039.

Saccharomyoes ballifi, acidity, heat inactivation, fruit juices 2039.

Saccharomyoes cancentration, relationship, ethanol inhibition 2870. immobilized cells, ethanol fermentation, by-products 8396. profeins, electrophoresis differentiation, classification 8208.

Saccharomyoes carlabergensis, arginyl-tRNA synthetase, purification, physicochemical properties, mechanisms 4500. calorimetry, methodology, characterization, 7229. Cronartium comptoniae, pathology, Pinus banksiana 4155.
Cronartium quercuum f.sp.fusiforme, aeciospores, inoculum, etiology, Quercus 2322. 2322.

Cronartium quercuum f.sp.fusiforme, disease resistance, Pinus taeda 5805.

Cronartium quercuum f.sp.fusiforme, Quercus seedlings, aeciospores inoculum 544.

Cronartium quercuum f.sp.fusiforme, triadimefon, disease control, Pinus elliottii var.elliottii 9516. var-elliotti 9516. Cumminsella, Berberis, Mahonia, taxonomy 423. dusease resistance, Dactylis glomerata, screening, phenotypes, genotypes 6856. disease resistance, plant breeding, Antirrhinum 3140. Emex australis, Uromyces rumicis infection, pathogenesis, effects on dispersal Emex australis, Uromyces rumicis infection, pathogenesis, effects on dispersal 425.
evolution, competition 6764.
fungi, Leguminosae, bioassays, detection, chitin 6737.
Goplana, Phaltospora, Uredo spinulosa sp.nov, host range, Discorea 4013.
Gramineae, diseases peraed, models 366.
Gramineae, diseases peraed, models 366.
Gramineae, diseases peraed, models 366.
Haustoria growth, necrosis, Vigna unquiculata 3922.
Hemileia vastatrix, Coffea arabica, epidemiology 5015.
Hemileia vastatrix, Coffea, Mexico 5662.
Interaction, barley yellow dwarf virus, Puccinia recondita f.sp.tritici, Triticum aestivum, Puccinia hordei, Hordeum vulgare, Puccinia coronata f.sp.avenae, Avena sativa, pathology 344.
Melampsora lini, histology, ultrastructure, leaves, Linum usitatissimum 9401.
Mentha, Puccinia menthae infection, pathogeneicity, host specificity 431.
pathogenesis, mathematical models 3956.
Peridermium bethelii, association, Aroeuthobium americanum-Pinus contorta 6932.
Phakopsora pachyrhizi, disease resistance inheritance, genetic analysis, Glycine max 6858.
Phakopsora pachyrhizi, Glycine max leaves, microscopy analysis 8543.
Phaseolus vulgaris, developmental stages, association, susceptibility, Vigna sinensis rusi 6742.
Phaseolus vulgaris, Uromyces phaseoli inoculation methodology 5685.
Pharamodium mucronatum. Besa lavs. funoscides (ferese control 1415. 4600.

calorimetry, methodology, characterization 7272.
cell disruption, methodology glass beads 6337.
cell disruption, methodology glass beads 6337.
ethanol production, nutrient enrichment effects on 8408.
extracts, chromium containing complexes, separation methodology 8155.
growth, Fusarium T-2 toxin effects on 3876.
1-hydroxy-1-phenylpropanone production, pyruvate decarboxylase activity, pyruvate levels effects on 7501. ievels effects on 7501.

proteinase, immunoassays, beer 7322.

proteinase, immunoassays, beer 7322.

proteinase, immunoassays, beer 7322.

private dehydrogenase multienzyme complexes, subunits molecular weight, kinetics, comparison Saccharomyoes cerevisaes 22.

RNA, isolation, ion-exchange chromatography 5480.

vacuoles, adenosinetriphosphatase, purification, characterization 45.

8eccharomyoes cerevisaes.

acetyl-CoA synthetiase, purification, characterization 8221.

acid phosphatase biochemical characteristics 7428.

acidity, heat inactivation, fruit juices 5636.

arithropal activity, bear protein 1923.

arithropal activity, bear protein 1924.

arithropal activity, bear protein 1925.

arithropal activity, bear protein 1925.

arithropal activity, duanomycin, adriamycin, ascorbic acid, dimethyl sulfoxido, diffects on 8033. sinensis rust 6742.

Phaseolus vulgaris, Uromyoes phaseoli inoculation methodology 5685.

Phragmidium mucronatum, Rosa laxa, fungicides disease control 4115.

Phragmidium mucronatum, Rosa laxa, pathology 4045.

Phragmidium violaceum, Rubus fruticosus, host-pathogen interactions analysis methodology 9440.

Poaceae, incidence, Africa, East 9365.

Populus, epidemiology, Canada 4170.

Puccinia arachidis, disease resistance, cultivars screening, Arachis hypogaea 4083.

Puccinia arachidis, disease resistance, cultivars screening, Arachis hypogaea 9475. 9475

antimicrobial activity, daunomycin, adriamycin, ascorbic acid, dimethyl sulfoxide, effects on 8033. artimicrobial activity, peetinatone 8910. ascospores, isolation 1810. ascospores, isolation 1810. ascospores, isolation 1810. asparaginase, inactivation, pH effects on 5519. bacteria β-D-galactosidase activity, measuring techniques 3622. bacteria β-D-galactosidase activity, measuring techniques 3622. biochemical characteristics, alcoholic beverages, fermentation 243. biomass production, anmonium levels 4534. biomass production, antifoam agents 3834. calorimetry, methodology, characterization 7272. carboxylesterase, role, esters equilibrium, relationship, sugars fermentation 2860. 94/5.
Puccinia arachidis, survival, Arachis hypogaea, pathology 5679.
Puccinia, Gramineae, reproduction, genetic variance 1160.
Puccinia graminis 1.sp.tritici, disease resistance, Triticum aestivum, genetic factors 3125. Puccinia graminis f.sp.tritici, Triticum aestivum, structure relationship 351. Puccinia graminis subsp.graminicola, Gramineae, evolutionary genetics, ecology 3004

biology termenated and p-0-glucosidase, emanol, erects on biosynthesis 4705. cellulose, films, immobilized cells, ethanol, production 6632. chromium resistance, detoxification mechanisms 3272. cinnamic acid decarboxylation 1969. compounds reduction 7281.

carboxylesterase, role, østers equilibrium, relationship, sugars termentation 2860.

CDPdiacylglycerol-inositol 3-phosphatidyttransferase, purification, characterization 3662.

cell death, role sulfur dioxide 1563.

cell distribution, methodology glass beads 6337.

cell distribution, methodology 2724.

cell surface antigens, antigenic determinants, physicochemical properties 6385.

celliuose fermentation, 9-D-glucosidase, ethanol, effects on glucose hosynthesis 4705. Puccinia helianthi, disease resistance, germplasm screeining, Helianthus annuus 4064

Fuccinia hordei, disease resistance, Hordeum vulgare, Pa gene 1349.
Puccinia horlana, Chrysanthemum 2204.
Puccinia horlana, Puccinia dianthi, disease resistance, Chrysanthemum, Dianthus

Caryophylius 8609. Puccinia melanology, Saccharum 1176. Puccinia melanocephala, pathology, Saccharum 1176. Puccinia polysora. Zea mays, incidence, relationship, weather, USA, Indiana 6765. Puccinia recondita uredinia growth rate association Triticum aestivum leaves 6748.

Saccharum, overwintering, USA, Mississippi 3016. susceptibility, relationship taxonomy, Rosaceae 2201. Tranzschelia discolor, host range, sponulation, Prunus domestica subsp.domestica,

```
Saccharomyces cerevisies, (continued)
production, glucose+molasses, production 3806.
protein kinase inhibitor, purification, characterization 6408.
proteins, electrophoresis differentiation, classification 8208.
protons release, detection, spectrophotometry 2710.
pyridoxaminephosphate oxidase, purification, characterization 942.
pyrivate dehydrogenase multienzyme complexes, subunits molecular weight, kinetics, compension Saccharomyces carisbergensis 52.
rats, mutagens, association, cycasin activation, genetic analysis 4510.
reduction, perfluoroalicy (ketones, 61-perfluoroalicy))-β-ketoesters,
(perfluoroalicy)/unyl compounds 9221
respiration, fermentation heat, carbon sources 145.
ribonuclease, heat shock induction 4689
RNA, isolation, on-exchange chromatography 5480.
RNA polymerase I, RNA polymerase II, activity, phosphorylation regulation 4599.
mRNA (guannes-7-)-methyltransferase, purification, characterization 6375.
selection, wine production, association, steroi composition 3759.
separation techniques, fermentation media 9984.
separation techniques, fermentation media 9843.
separation services descriptions of the service of t
Saccharomyces cereviales, (continued) contamination, coliforms, acetic acid reduction 4773. contamination, tablets, pressure effects on 3459. continuous culture methodology 8087. continuous culture, oxygen effects on 9994.
                 continuous culture methodology 8087.
continuous culture, oxygen effects on 9994.
continuous culture, oxygen uptake measuring techniques 900
continuous culture, oxygen uptake measuring techniques 900
copper thoneun complex, reconstitution laccase, Rhus vernicate 6497.
cytochrome b cytochrome c1 complex, ferricyanide reduction 7291.
cytochrome c folding kinetics, structure intermediates, absorption spectroscopy,
fluorescence 4559.
cytochrome c, heme iron coordination geometry, N.M.R. 3643.
cytochrome c, iodoacetamide chemical modification, folding kinetics,
fluorescence, structure-activity
cytochrome P-450 inhibition, buthiobate role 9488.
cytochrome P-450 inhibition, buthiobate role 9488.
cytochrome P-480 innobitization 1927.
cytochrome P-480 continuous culture 1930.
dehydrogenase, active sites, binding mycotoxins, Fusanum, Myrothecum 7625
dihydrolipoamide reductase (NAD*), purification, characterization 4669.
dimethyl dicarbonate, fungicidal activity, wine sterilization 2688.
encapsulation, protoplasts, products, inclusion sterilization 2688.
encapsulation, protoplasts, products, recovery, methodology 9067.
ergosterol biosynthesis defective mutant, relationship sterols production 9187.
ethanol fermentation, corn 311.
ethanol fermentation, corn, factors affecting 8414.
ethanol fermentation, maintenance energy, biomass concentration, calorimetry
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8216.
succinyl-CoA synthetase (ADP-forming), purification, characterization 7362.
superoxide dismutase, amino acid sequence 27.
superoxide dismutase, purification, characterization 25.
superoxide dismutase, structure, E.S.R. 6470.
tetraploidy characterization, relationship, breweries 2863.
toxins, purification, characterization 1097.
transketolase, active sites arginine residues, 2,3-butanedione chemical modification, effects on kinetics 7355.
                 1528. ethical 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           toxins, purification, characterization 1097.

transketolase, active stess arginine residues, 2,3-butanedione chemical modification, effects on kinetics 7355.

transketolase, burification, characterization 6425.

transketolase, burification, characterization 6425.

transketolase, 8,4-2a,7-stallography 6551.

transketolase, 8,2-butanedione chemical modification, effects on kinetics 6555.

transketolase, 8,2-butanedione chemical modification, effects on kinetics 6555.

transketolase, 8,2-butanedione chemical modification, effects on kinetics 6555.

transketolase, 8,2-butanedione conversion, 3-methyl-1-butanol biosynthesis, nutrient requirements 3724,
viablity, freeze-thawing, skim-milk 220.

Warburgia, sesquiterpenes, antifungal activity 8791.

wild type, companson, intechnodria mutants, ethanol production 8409.

wine, fermentation, forms, protein composition 3754.

wine fermentation, forms, protein composition 3754.

wine fermentation, temperature effects on 7531.

Seccharomication, ampopener pressure effects on 9229.

Seccharomication, ampopener pressure effects on 9229.

Seccharomyces exigues effects on 9229.

Seccharomyces disateticus,

-amylase, exo-1,4--0-plucosidase, production 3681.

ethanol, Helianthus tuberosus carbohydrates 2389.

fermentation, beets, ethanol production 7508.

protoplasts fusion, transformation, exo-1,4,-o-D-glucosidase production 7323.

Seccharomyces axiguius,

factors affecting, food spoilage, coleslaw 8479.

spoilage, mayonnaise 3812.

Seccharomyces 4-epimeras 3812.

Seccharomyces 4-epimeras 9312.

Seccharomyces Hirsuits subsp. kobensis,

sporaricin A derivatives biosynthesis 4395.

Seccharomyces lipsilytica,

single-cell protein, production, association, olives food processing waste water 8212.

Seccharomyces oviformis,

culture, effects on alcoholic beverages food quality 1050.
                      915U.

8-D-fructofuranosidase polymorphism correlation carbohydrate composition phosphorylation, isoelectric focusing 65. frugicides, inhibition, sterols, demethylation 4117. galactokinase, purfication, characterization 6420. galactose1-phosphate uridylytransferase, UDPglucose 4-epimerase, purification, characterization 6455.
                      characterization 4655.
glucose substrates concentration, relationship, ethanol inhibition 2870.
glucose transport, ethanol effects on 1518.
glutaminase, kinetics 1867.
glyceraldehyde-phosphate dehydrogenase arginine residues, 2,3-butanedione chemical modification, effects on physicochemical properties, kinetics 7352.
glyceraldehyde-phosphate dehydrogenase substrate structure, binding antibodies, rabbits 7332.
                      rabbits 7332 glycogen assays 4547. growth, Fusaum T-2 toxin effects on 3876. growth, Fusaum T-2 toxin effects on 3876. growth, assert illudized beds, particles 6353. growth, assert illudized beds, particles 6353. growth, socialistion dynamics, reactors, mathematical models 3633. growth, socialistion dynamics, reactors, mathematical models 3633. growth, socialistic necessary feeters on, psyins, levels 17. L-gulonolactone oxidase, purification, characterization 56. histidinol dehydrogenase fragments, activity 2760, hybridization, protoplast fusion, genetic engineering, association, ethanol production 8402. immobilization methodology, association, ethanol production methodology, association, ethanol production methodology, association, athanol production. 2312.
    histólinol dehydrogenase fragments, activity 2760. hybridizátoin, protoplast fusion, genetic engineering, association, ethanol production 6402. immobilization methodology, association, ethanol production 7217. immobilization methodology, association, ethanol production 3217. immobilization methodology, association, ethanol production association 6631. immobilizate cells, alcohol dehydrogenase, NADH regeneration 4601. immobilizate cells, alcohol dehydrogenase, NADH regeneration 4601. immobilizate cells, immobilizate cells, or materials ments, fermentation 7261, immobilizate cells, giverol biosynthesis, glucose fermentation 137. immobilizate cells, giycerol biosynthesis 127. immobilizate cells, giycerol biosynthesis 127. immobilizate cells, hydrolysis, sucrose 3827. immobilizate cells, hydrolysis, sucrose 3827. immobilizate cells, reactors stransformation 4697. immobilizate cells, reactors stransformation 4697. imactivation, food spoilage rates, incubation temperature effects on 2926. inorganic prophosphatase binding sites, terbium ions interaction 4667. isogenic, isolation methodology 4524. media (selective), wine, fermentation 8403. megamodulin, purification, characterization 5477. 2-mercaptobenzenemethambiol diesters amfitungal activity 3340. microflora, grapes, wine 3758. mitochondria, coupling factor 1, purification, 51-p-fluorosulfonylbenzoyl adenosine chemical modification 943. molasses fementation 1991. NAD(P)* nucleosidase, purification, characterization 6528. NADH dehydrogenase, purification, characterization 6528. NADH dehydrogenase, purification, characterization 6528. NADH dehydrogenase, purification, characterization 6513. nutritive value, nutrients supplements, association, characterization 5613. nutritive value, nutrients supplements, association, characterization 6513. nutritive value, nutrients supplements, association, characterization 6528. NADH dehydrogenase, purification of production, characterization 6528. NADH dehydrogenase, purification of production of 979. 6-phosphofructokinase, purifi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      single-cell protein production, association, olives food processing waste water 8212.

Seccharomyces ovtformia, culture, effects on alcoholic beverages food quality 1050. fermentation, purification Beta vulgans dyes 7470. morphology, fermentation, champagne 1990. wine fermentation, Botrylis cinerea activators effects on 3760.

Seccharomyces peroxidase, Seccharomyces providase, cytochrome peroxidase, assays 5517.

Seccharomyces roself, efficiently sold to the section of the section 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8401.
proteins, electrophoresis differentiation, classification 8208.
pyndoxine bioassays 2717.
respiration, measuring techniques, use, tetrazolium salts 9088.
sulfur dioxide formation, wort lermentation, dissolved oxygen effects on 7518.
wort nutrient requirements, ethanol levels, brewing 7516.
Saccharomycoes vini,
morphology, fermentation, champagne 1990.
Saccharomycopsis fibuliger,
+ Zymomonas mobilis, mixed culture, starches conversion, ethanol 7529.
Saccharomycopsis lipolytica,
citric acid production 3845.
citric acid production 3845.
citric acid production 3847.
svtracellular enzymes, proteinase, production, purification, characterization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              extracellular enzymes, proteinase, production, purification, characterization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3081.
homoisocitrate dehydrogenase, purification, characterization 938.
mutants, proteinase, production, characterization 1921.
overproduction, isocitric acid, citric acid, enzymes activity association 5483.
```

Saccharomycopais lipolytica, (continued) tracylglycerol lipase, purfication, characterization 6463. Saccharopolyapora, biosynthesis, sacchorocin, antibacterial activity 8886. Salmonella, (continued)
animal isolates, antibiotic resistance, antibiotic sensitivity testing, surveys 634 animal isolates, antibiotic resistance, surveys 3287, antibacterial activity, bicyclomycin 2595, antibacterial activity, temocillin 5254, antibiotic resistance, incidence, sewage 6016. Diosyntnesis, saccritortuni, anticartenia zudani occu-seccharpogiyspora hirauta, antibiotic KA-5985, biosynthesis, isolation, characterization 8891. biosynthesis, vanoxonin, isolation, inhibition, tumors thymidylate synthase 7449. Saccharopolyspora hirauta subsp. Kobensils, synthesis, sporarion A fluorine derivatives 8876. ambriefic resistance, incidence, sewage 6016, antibiotic resistance, role, plasmids 6017, antibiotic sensitance, screening 635, antibiotic sensitivity testing 5232, antibiotic sensitivity testing 6111, antibiotic sensitivity testing 6111, ascharum, bagasse, composts production, microorganisms decomposition activity 7560. ration stunt, bacteria, disease control, heat treatments 9468. rust, overwintering, USA, Mississippi 3016. rust, Puccinia melanocephala, pathology 1176. rsut, disease resistance, heritability, diseases grades comparison yield 6859. Ustilago scitaminea isolates differentiation, greenhouses 5001. antibiotic sensitivity testing, meat isolates 9720. antibiotic sensitivity testing, meat isolates 9720. antibiotic sensitivity testing, medilinam 3407. antibiotic sensitivity testing methodology comparison 6090. antibiotic synergism, mecilinam+ ampicilin, antibacterial activity 9758. carriers, contamination, finger, man 2703. celotaxime, moxalactam, antibacterial activity comparison, antimicrobial agents Ustilago scitaminea isolates differentiation, greenhouses 5001.

Saccharum Officinale,
bagasse, production, ethanol, yeasts 5571.
buds, glycosides, disease resistance markers, smut, Ustilago scitaminea 9359.
crop residues, ethanol fermentation, Saccharomyces cerevisiae 2873.
Puccinia melanocephala leaf rust pathogenesis 5716.
ration sturt, bacteria, effects on, yield 2139.
soil, rhizoplane microorganisms, Streptionyces, characterization 6978.
Ustilago scitaminea smut control, Hawaii 5709. 6126 chickens carcasses, incidence 195. chickens carcasses, incidence 195.
clinical solates, antibiotic sensitivity testing 6112.
contamination, chickens, abattoirs 4845.
contamination, fertilizers, organic compounds 1732.
contamination, meat, public health surveys 1081.
contamination, sausages 9267
control, meat, radiation treatment, reviews 8481.
detection methodology, enzyme immunoassay, use, myeloma proteins monoclonal aethoricies 7241. disease resistance, smut 2258.
disease resistance, smut, Ustilago scitaminea 470.
fermentation, post-harvest decay, microorganisms 439.
molasses, ethanol fermentation technology, yeasts 142.
molasses, yeasts, oxygen tension effects on ethanol fermentation 143.
phyliosphere, nitrogen-fixing bacteria, nitrogen fixation 9590.
rhizosphere, fungal flora, surveys 7813.
smut, Ustilago scitaminea 1175.
smut, Ustilago scitaminea races characterization, neutron activation analysis 6760. detection methodology, enzyme immunoassay, use, myeloma prote antibodies 7241.
detection, phages, high-performance liquid chromatography 3579.
disease transmission, role, milk, reviews 211.
disinfection, sewage studge 8936.
entertis, climical solates incidence, antibiotic resistance, man 8733.
entertoxins characterization 6707. feces, man, water resources, quantification 5322. feeds contamination 4861. leeds contamination 460.1 feeds incoulation 253. food contamination, bears sprouting 3831. food contamination, checkes 8487. food contamination, chickens carcasses, detection methodology 1077. food contamination, chickens carcasses, radiation, temperature, effects on 4786. 6760 tissue culture, sugarcane mosaic virus survival 1154 Saccharopolyspora biosynthesis, antibacterial activity 8886. Saccharopolyspora susceptible Safety, biological control, microorganisms 3742, equipment, laminar air flow, bacteria assays 5332.

Safety cabinets, laminar air flow, pathogens, safety regulations 5337.

Safety regulations, biological control, pathogens 1025, safety biological control, pathogens 1025, safety machinets, laminar air flow, pathogens 5337. food contamination, chickens carcasses, radiation of contamination, conferences 5453.
food contamination, cooked poultry 4807.
food contamination, fertilizers role 7571.
food contamination, fertilizers role 7571.
food contamination, liquide egg production 203.
food contamination, packaging, beef 224.
food contamination, pork sausages 179.
food contamination, poth sausages 179.
food contamination, poultry 3830. safety cabinets, laminar air flow, pathogens 5337.

Saframycln R,

Streptomyces lavendulae, isolation, characterization, antitumor activity 2830.

Sagamicln,
antibiotic synergism, fosfomycin, antibacterial activity 8023.

biosynthesis, Micromonospora sagamiensis, mutants, cobalt, regulation 6195.

Saguinus fuscicolits,
chlorine, effects on, hepatitis A virus, infectivity, experimental infection Tool contamination, pourtry sexis, food contamination, pourtry, meat industry 6663. food contamination, sausages, isolation, media (enrichment) 4766. food poisoning, association, temperature, epidemiology, British Isles 3828. fosfomycin derivatives antibacterial activity 8890. gastronitestinal tract clinical isolates, norfloxacin antibacterial activity. 2455.
growth inhibition, meat products, sodium nitrite potassium sorbate use 3838. hexachlorophene drug resistance, conjugation, R factors 6030. dentrification, automated methods 861. incidence, fertilizers, association, animals feces 2637. infection fosformycin, children, arribacterial activity, fosformycin 6189. isiolates, animals, meat, feeds, serotyping 5627. isiolates, hospitals, artibiotic resistance 8732. isiolates, Netherlands, artibiotic resistance, incidence 5161. isiolation, animals food contamination, culture methodology 1088. isiolation, chickens, media (enrichment) 9060. isiolation, chickens, media (enrichment) 9060. isiolation, chickens, media (enrichment) 93617. aguinus labiatus labiatus, chlorine, effects on, hepatitis A virus, infectivity, experimental infection Saguinus nigricollis, chlorine, effects on, hepatitis A virus, infectivity, experimental infection 2493.
Sake,
antibiotic F 16-2 antimicrobial activity, lactic acid bacteria, Saccharomyces
sake 8024.
formentation, Saccharomyces, ethanol tolerance enhancement, Tween 80 role 9244.
Sakuranetiir,
antifungal activity, Botrytis cinerea, defense secretions, Ribes nigrum 1379.
antifungal activity, Botrytis cinerea, Ribes nigrum leaves 1332.
Salami, isolation, aquatic environment, methodology 3558, isolation, chickens, media (enrichment) 9660, isolation, fickens, media (enrichment) 9660, isolation, fickens, media (enrichment) 3617, isolation, media (enrichment) 3617, isolation, media (enrichment) 9061, isolation, sewage, media (enrichment) comparison 2675, isolation, sewage situdge 6248, isolation, sewage situdge feeds, domestic animals 3461, 3-lactamase inhibition, iodopenicilianate, bromopenicilianate 3404, lippoplysacohandes antigenic determinants, binding, serum, bactericidal activity, mice 2452, lippoplysacohandes antigenic determinants, binding, serum, bactericidal activity, mice 2452, lippoplysacohandes englien determinants, binding, serum, bactericidal activity, mice 2452, lippoplysacohandes english e ood contamination, ripening, bacteria 2030. Salicin, Trichodern ia, immobilized cells, β-glucosidase, hydrolysis 3791. Salicyclic acid, Nicotiana tabacum hypersensitive response, tobacco mosaic virus, effects on 4095. Nicotena teoescum hypotenesses, Selicylate, biodegradation, Aspergillus niger 3774. Saline environments, enterovirus, microbial pollution, survival 1720. soil, solation, bacteria 3196. soii, isolation, acciona 3130.
Saline water, clay, effects on denirifying bacteria 5964.
Salinty,
Distichlis spicata, vesicular-arbuscular mycorrhizas, effects on 5098.
effects on, Rhizobium, growth, nitrogen fixation, soil 597.
effects on sewage sludge land disposal, decomposition, nitrogen mineralization ages. esso.

Rhizobium japonicum symbiosis Glycine max, effects on nitrogen fixation 7830.

Vibrio ecological distribution, coastal waters 6259.

Salinity tolerance,
Rhizobium, symbiosis, Lens culinaris, effects on 5955. Sallnomycli, symbolosis, Lens culmans, errects on 5955.

Sallnomycli,
administration, effects on intestinal microflora, anaerobic bacteria, pigs 5624.
feeding, chickens, effects on Streptococcus, coliforms, antibiotic resistance
3289. 6186 nellosis, diagnosis methodology, X radiation probes, antibodies labelling 1799.
Salmonellosis, disease control, contamination, abattoirs, turkeys 2050.
Salmonellosis, food contamination, control programs, man 230.
Salmonellosis, man, beef food contamination, epidemiology, plasmids characterization 8472. Saliva, Streptococcus mutans levels, stannous fluoride mouthwashes effects on, man 3500. Streptococcus mutans, man, fluoride effects on 3502. Selix alba, characterization 8472.
salmonellosis, sheep, association, food contamination, man 3845.
sarotypes, contamination, poultry carcasses 8485.
serotypes, contamination, poultry carcasses 8485.
sevage treatment plants contamination, occupational hazards 1730.
strains, antibacterial activity, cotrimoxazole, gentamicin, tobramycin 8815,
strains, mutagemicity testing 3550.
sulfonamide susceptibility, association, cotrimoxazole drug resistance 6004,
toxins biosynthesis, cultural characteristics effects on 8519.
trisacchardes synthesis, antigen O antigenic determinants 2821.
Salmonella adelaide,
survival. Solis (sandy), sentic tanks, association, 1603. Erwinia salicis, detection, enzyme-linked immunosorbent assay, Watermark disease, Salix alba 6919. Sainx alba 5919.
Watermark disease, Erwinia salicis, antigens detection, enzyme-linked immunosorbent assay 6919.
Salmo gairdneri, infectious pancreatic necrosis virus carriers, cell culture assays 5376. redmouth, Yarsinia ruckeri, vaccines preparation, immunogenicity 8925. Ames test, methodology, mutagenicity testing 845 survival, soils (sandy), septic tanks association 1693

Salmonelia anatum Salmonella anatum, anthorios censtrivity testing, meat isolates 9720, polysaccharides enzymatic synthesis 8331. UDPgalactose 4-epimerase delicient mutant, antigen O polysaccharides biosynthesis, synthetic galactosyl fragrenyl diphosphate intermediates 7440. Salmonella arrizones, growth conditions effects on heat resistance 1538. Salmonella cerro, contamination, seafood, frog legs 188. Salmonella cholerae-suls, Roccai-O antibactienal activity 7918. Salmonella concord, antibiotics sensitivity testing, meat isolates 9720. Salmonella typhimurium, (continued) Salmonella typhimurlum, (continued) surrival, feeds. fishery products 3855 surrival, slurines, cattle animal wastes, isolation, drug resistance 2617, surrival, slurines, cattle animal wastes, isolation, drug resistance 2617, timethylamine-Noxider deuticates, purification, characterization 8263, viability, lood films, surfaces, refrigeration 2025, viability, wastewater treatment 6244, yoguri, factic acid effects h 4811 Salmonalia typhosa, animacpyl-cobazole derivatives 8752, antibacterial activity, 9-hydroxythiolesters derivatives 9350. Salmonella wien, Strains, antibacterial activity, commonacyte, coatagone, toloramical sea. antibiotic sensitivity testing, meat isolates 9720. Salmonella dublin, infection, association cow's milk drinking, genatrics, man 5616. Salmonella enteritidis, strains, antibacterial activity, cotrimoxazole, gentamicin, tobramycin 8815. Salmonellosis, almonellosis, diagnosis methodology, X radiation probes, antibodies labelling 1799, disease control. Salmonella contamination, abattoirs, turkeys 2050. food contamination, control programs, man 230 isolates, antibiotic resistance plasmids, structure, incidence 6025, man, beef food contamination, epidemiology, plasmids characterization 8472, sheep, association, food contamination, man 3845, surveys, cattle, abattoirs, zoonoses, man 234. Salmonella entertitidia, activated studge, removal 5314, antibiotic sensitivity lesting 2393, enterotoxis bosynthesis, nutrient requirements 1105. Plactors, antibiotic resistance transfer, wastewater treatment 1548. Salmonella heldetberg, antibiotic sensitivity testing, meat isolates 9720. Salmonella infantis, antibiotic sensitivity testing, meat isolates 9720. antibiotic sensitivity testing, meat isolates 9720. antibiotic sensitivity testing, meat isolates 9720. Surveys, canter, abartions, zournoses, man 204. Salt, and proteolysis, cheese, ripening 221. Salt marshes, lactors affecting soil denitrification 2367. Spartina alterniflora roots, localization, nitrogen-fixing bactena 6987. antibiotic sensitivity testing, meat isolates 9720 Salmonella krefeld, aminal solates, commoxazole drug resistance, plasmids role 3278. Salmonella matopeni, contamination, seafood, frog legs 188. Salts, antibacterial activity 7917 bile, effects on recovery. Yersina enterocolitica 672, disease control, blight, Sclerotum rollsin, Poa 1402, filters, effects on policivitius adsorption 3469, heavy metals, Sprioplasma sensitivity 2441, like flavorings, use food 4780, roads, poliution effects, enzymatic activity, soil microorganisms 7801, thiosemicarbazide, antibacterial activity 7923. Salvia officinalls, extracts, antimicrobial activity 1584, Salvinia molesta, Rhizoctonia solani infection, pathology 3096. Samplers, Salmonalia minesota, Ilpopolysaccharides, isolation, 3-deoxy-D-mannoctulosonic acid 6567, Ilpopolysaccharides, 3-deoxy-D-mannoctulosonic, acid composition 5536. Salmonella newport, endotoxins, association prostaglandins, characterization 8515. Salmonella newport, endotoxins, association prostaglandins, characterization 8515. Salmonella paratyphi, antibacterial activity, chloramphenicol, thiamphenicol 756. plants extracts antibacterial activity, Iran 2458. Salmonella pullorum, agglutination tests, methodology 2648. Salmonella sentfenberg, decontamination, com soybean milk, use, microwave radiation 3839, heat resistance, liquid culture, Sucrose levels effects on 670. Salmonella stanley, antibiotic sensitivity testing, meat isolates 9720. Salmonella tuebingen, media (solation), identification, feces isolates, food poisoning, man 9921. Salmonella tuebingen, media (solation), identification, feces isolates, food poisoning, man 9921. Salmonella typhi, antibacterial activity, chloramphenicol, thiamphenicol 756. antibiotic resistance, R factors 7876. antigen VI; enzyme-linked immunosorbent assay, detection, antibodies 9920. chloramphenicol resistance, clinical isolates, case reports 2416. endotoxins, association prostaglandins, characterization 8515. feces isolates association typhoid fever, antigens detection, use, agglutination 841. Phizoctonia solani infection, pathology 3096. Samplers. Erysiphe graminis, sporulation 4518. Samplers. Erysiphe graminis, sporulation 4518. Samplerg. air, foot-and-mouth disease virus, methodology comparison 6291. airborne microorganisms, methodology comparison 7214. bacteria, mathematical models, methodology 7258. equipment, fermenters, fungi, mycella 9080. food contamination, standards 212. methodology, activated sludge, wastewater treatment, viruses detection 6251. methodology, detects on, acetylene reduction 7831. soil, methodology, detects on, acetylene reduction 7831. soil, methodology, detects on, acetylene reduction 7831. soll, welvet, wound infection, bacteria, man 5406. Sand. Sand, beaches, pollution indicators, urease activity, sewage 3180. dunes, arylsulphohydrolase, cysteine desulphohydrase, thiosulphate cyanide sulphurfansferase, activity, correlation, vegetation. British Isles 6955. litters, effects on septic tanks dentrification 786. petroleum, soil microorganisms, respiration, biomass 5916. Sandbox, Carella Midden 1709. Sandbox, incidence, fungi, children 1726. Sandwiches, packaging, Staphylococcus aureus growth, enterotoxins production 1091. Sanguinarine, sensitivity, Vibrio 7067. Sanguiritrin, effects on gram-negative bacteria, gram-positive bacteria 8873. Sanitation, particulare administration, long-term effects 7596. Sanitation, antibiotics administration, long-term effects 7586, bacteria infection, intestine, man, carriers, hygiene 7208, cholera epidemiology relationship, man 2635, cleaning systems, beef carcasses 808, 549, food processing, monitoring 805, kitchens, cooking, food contamination, food industry, books 4549, food processing, monitoring 805, kitchens, cooking, food contamination, bacteria 213, milk contamination, udder microflora, cattle 5339, milking machines, detergents, cleaning systems 2632, milking machines, detergents, cleaning systems 2632, milking machines, detergents, cleaning systems 25341, nosocomial environments, disinfectants aerosols 806, surfaces, Campylobacter fetus subsp. jejuni survival, drying 807. 1-a-Santonin, conversion. Streotomyces inseachymmonanes, 2886. conversion, Streptomyces roseochromogenes 2886. conversion, Streptornyces roseountranagenes accessors, consumeration, et al., consumeration, et al., consumeration, et al., consumeration, et al., control, bacteria, Insecta 2831, solation, Agrobacterium tumefaciens, Vite vinifera, pathogenicity 5744, solation, Mycoplasma-like organisms, yellows, Cocos nuclefra 1205. Kalanchoe, antiviral activity 3344, philoem, collection, characterization, mycoplasma-like organisms yellows, Cocos nuclefra 386, accessors accesso nucinera see, phosphorm, mycoplasma-like organisms yellows, Cocos nucifera 387. plants, alfalfa mosaic virus, detection methodology 2980, rot, wood decay, oxygen, carbon dioxide effects on 5084. NAD biosynthesis, association, nucleosides 1962. nitrofuran reductase, isolation, characterization 9180. nitrofuran reductase, isolation, characterization 9180. 1-nitropyrene reductase, assays, fluorometry 5021. outer membranes, polymysin B effects on 7159. pH, temperature, effects on, growth, animal wastes, pigs 8954. phosphoenolypruvate-glucose phosphotransferase enzyme II-B (Glc), purification, assays 6413. phosphoenolypruvate-glucose phosphotransferase enzyme I, purification, characterization 6415. phosphoenolypruvate-glucose phosphotransferase enzyme III (Glc), purification, characterization 6417. phosphoenolypruvate-glucose phosphotransferase phosphocarrier protein, purification, characterization 6416. plasmids, trimethoprim drug resistance 4277. poly(N-benzyl-4-vinylpyridinium bromide), removal, water treatment, methodology 9046. rot, wood decay, oxygen, carbon dioxide enecus on soco. Sap stain, disease control, 3-odo-2-propynyl butyl carbamate, sodium pentachlorophenate, copper-8-quinolinolate, wood storage, Liriodendron tulipifera, Pinus 9529. Saphenamycin, biosynthesis, Streptomyces canarius, biological properties, structure, physicochemical properties 1658. Sapogenina, antibacterial activity, antifungal activity 4317. Saponaria veccaria, cactus virus X isolates characterization 5019, dasheen mosaic virus, Richardia africana, Araceae 9420. Saponlina,

tRNA (guaninine-7-)-methyltransferase, purification, characterization 6509

Saponins, Medicago sativa, effects on nitrogen cycle, soil microorganisms, peat 2355.

Saprolegnia,

nickel toxicity 1565.

Saprophagy, Glycine max stems, herbicides, herbicides effects on 2380. vesscular-arbuscular mycorrhizas, soil, relationship, organic matter 8672.

competition, soil pH, soil temperature, fungicides, herbicides, soil moisture, Fusarium udum 5694.

Fusarium udum 5594.
fung, leaf litter decomposition, Abies alba 6906.
levels, Brazil rivers 8066.
soil, fertilizer applications effects on, nutrient deficiency, Pinus 7775.

N-terminus amino acid sequence, homology restrictocin, mitogillin, Aspergillus

Sarcina albida. defective mutant, biodegradation, serine, production 6382.

defective mutant, biodegradation, serine, production 6382.

Sarcosine oxidase,
FAD binding regions, amino acid sequence, Corynebacterium 6539.

Sarcotadium attenuatum,
infection, Oryza sativa, Oryza glaberrima, symptoms etiology 9366.

Sarcotadium oryzae,
sheath rot, experimental infection, inoculation, methodology, Oryza sativa 1188.

Sarubicin A, structure, stereochemistry 9788. Sarubicin B,

Seruticin B, steptomyces biosynthesis, antibacterial activity, gram-positive bacteria 3440. Seas albo-marginata, extracts, antimicrobial activity 1590. Satellite RNA,

cucumber mosaic virus, role, Lycopersicon esculentum, wh Satellites, weather, monitoning rust disease spread, Gramineae 1166. Saudi Arabia, nber mosaic virus, role, Lycopersicon esculentum, white leaf disease 1292

soil microorganisms, population dynamics 2352. Sauerkraut,

Saturatur, lactic acid bacteria, Leuconostoc 5608
Sausages,
coliforms food contamination, detection methodology 4819,
fermentation, spices effects on Lactobacillus plantarum 2056,
food contamination, Salimonella, isolation, media (enrichment) 4766. food contamination, Salmonella, isolation, media (enrichment) 4766. nitrite inhibition Clostridium botinium, growth, toxigenicity, organoleptic properties 303. pork, Salmonella food contamination 179. poutry, starter cultures, Penicillium 3814. Salmonella contamination 9267. Savannahe, nitrogen cycle 2376. nitrogen cycle 5099. Sawdust, fermentation, solid-phase methydis, fundi cultures 8444.

fermentation, solid-phase methods, fungi cultures 8444. soil amendment, effects on population dynamics Fusarium udum 3252. Scab

Cab, apples, cold storage effects on pathogenesis 3105.
Carya illinoensis, Cladosporium caryigenum, effects on nuts drop 6929.
Carya illinoensis, factors affecting Cladosporium caryigenum spores release 397.
Carya illinoensis, Fusicladium effusum infection, factors affecting disease

Carya illinoensis, Fusiciadium effusum infection, facfors affecting disease spread 1202.

Citrus madurensis, isolation, Sphaceloma 1220.

Cladosporium caryigenum, Fusiciadium effusum, inoculation time effects on pathogenesis 5736.

Cladosporium caryigenum, propiconazole disease control, foliar application, Carya illinoiensis 9496.

Malus, temperature, relative humidity, effects on pathogenesis 2149.

Malus, temporature, relative humidity, effects on pathogenesis 2149.

Malus, Ventrura inaequalis overwintering 1201.

Streptomyces scables, disease resistance, Raphanus sativus 2268.

Triticum aestivum, Fusarium graminearum, USA, Washington 6771.

Venturia inaequalis, biological control, screening, antagonists, Chaetomium globosum 3744.

venturia inaequalis, bulugical control, screening, antagonisis, chaetomum globosum 3740.

Venturia inaequalis, Malus pumila, fungi biological control 5825.

Venturia inaequalis, pathogenesis, disease control, mathematical models, Malus pumila 5734.

pumila 5734. Venturia pirina, disease control, urea, fenarimol, baycor, Pyrus communis 1395. Xanthomonas campestris pv.vesicatoria, pathology, Capsicum annuum 8575. Scald,
Altemaria porri, symptoms, Allium cepa, cultivars 3988. gram-negative bacteria, Prunus saliciana, isolation, pathogenicity, culture 1153. Prunus saliciana, bacteria, epidemiology, Brazil 1221. Rhynchosporium oryzae, phytotoxins, phytotoxicity, pathogenicity, Oryza sativa 3348.

Rhynchosporium secalis, disease resistance, Hordeum vulgare, genetic analysis

Ritynchosporium secalis, phytotoxins binding membrane proteins, receptors, Hordeum vulgare 9346.

Scandlum,

Scandium, complex, enterochelin, antibacterial activity, Escherichia coli 1554.

Scanning electron microscopy, bacteria infection, catheter 802. books, fungi, bacteria 1903. cytology, Uromyces viciae-fabae infection, Vicia faba 5695. histology stains, bacteria 866. midazoles, antifungal activity, Candida albicans, spheroplasts, formation 3337. low temperature, soil microorganisms 578. microorganisms coatings, methodology 1735. observation techniques, air-water interface, aquatic microorganisms, isolation, ponds 8068.

ponds 8088. escherichia coli characterization 858. Pseudomonas toliaasii, attachment, Agaricus bisporus, bilight 3051. Phizobium trifolii bacteroids, nodules, Trifolium repens 8676. Speck, Lycopersicon esculentum, pathology 2233. use, fungicides effects on Ustilago avenae morphology 8619. Scaphytopius nitridus, isolation, culture, Spiropiasma citri 1769.

Scenedesmus, bacteria, mixed culture, phosphorus removal, wastewater treatment 2615. Schefflera actinophylla, Alternaria panax infection, new records 5763.

Schefflera arboricola

Alternaria panax blight, benomyl effects on 6882. pathology, leafspot, Alternaria 3993.

Schefflera digitata,

falcarindiol biosynthesis, antifungal activity, dermatophyte fungi 687.

Schistocerca gregaria, ile, Colletotrichum graminicola anthracnose, Zea mays 369.

role, Colletotrichum gramnicola anthracnose, Zea mays 369.
Schizaphia gramnium,
disease transmission, barley yellow dwarf vinus, USA, Missouri 1164.
vectors, disease transmission, maze dwarf mosaic virus, Gramineae 5704.
vectors maize dwarf mosaic virus, disease control, oil, Zea mays 6843.
Schizaphylium commune,
annfungal activity, dithicoarbamates 3153.
post-harvest decay, Hevea brasiliensis cellulose, lignins, Malaysia 7791.
pritoplasts, glucans biosynthesis 1955.
pritoplasts, glucans biosynthesis 1955.
sinapyl alcohol biodegradation 162.
Schizoseccharomyces,
ethanol production, factors affecting 1046.
Schizoseccharomyces,
ethanol production, factors affecting 1046.

ethanol production, factors affecting 1046.
Schizosecharomyces pombe,
antifungal activity, Streptomyces leptomycin A, leptomycin B 8028.
cell cycle, specificity, antimicrobial agents 690.
drug resistance, correlation, amino acids, uptake, adenosinetriphosphatase,
activity 8748
oxygen tension effects on ethanol fermentation 143.
Schwanniomyces alluvius,
derepression mutants, starch hydrolysis 8452.
Schwanniomyces castelli,
yeasts production 2043.

α-amylase, exo-1.4-α-D-glucosidase, pullulanase, production 3691. Schwanniomyces occidentalls, α-amylase, exo-1.4-α-D-glucosidase, pullulanase, production 3691. Sciadoptiys verticillate. root rot, Phytophthora cinnamomi 5749. Scirrhia aclosia, production and production 3691.

brown spot, pathology, Pinus palustris 6910.

Sciareoi,

ciareol, conversion, bacteria 3785. conversion, pathways, bacteria 6616. conversion, Rhodococcus erythropolis, plasmids association 8437.

Scierocystis dussii, cation, use, enzyme-linked immunosorbent assay 7273.

identification, use, enzyme-liniked immunosorbent assay 7273.

Scleroderma, sucalyptus 1440.
Pinus radiata, Pseudotsuga menziesii, New Zealand 7774.

Sclerophthora macrospora, infection, Stenotaphrum secundatum, disease resistance 9470.

Sclerospora graminicola, downy middew, pathogenicity, genotype-environment interactions, cultivars, Pennisetum americanum 6755.

downy mildew, pathogenicity, statistical analysis, Pennisetum americanum 6756, downy mildew, Pennisetum americanum, disease control, metalaxyl seed treatments 9502. downy mildew, Pennisetum americanum, fungicides disease control 4116. downy mildew, Pennisetum typhoides, germplasm disease resistance, productivity 473.

downy mildew, susceptibility, plant breeding, cytoplasmic male sterility, Pennisetium americanium 5807. downy mildew, Zea mays, Sorghum vulgare, Pennisetium typhoideum, epidemiology, reviews 1186. heterothallism 404.

zoospores, viability, infectivity, soil 6954. Sclerospora sorghi,

downy mildew, population ecology, limiting factors, Zea mays 5698. infection, Zea mays, downy mildew, Somalia 381.

Scierotia.

cerotia, Aspergillus flavus, aflatoxins, indole metabolites, association, evolution 3715. Aspergillus parasiticus aflatoxins, Aspergillus flavus, Aspergillus parasiticus 2948.

2948.
Botrytis cinerea, isolation methodology, soil 9568.
Cenococcum geophilum, abundance, microenvironments, soil, forests 6894.
Claviceps fusiforms, pure culture, methodology 8152.
Claviceps purpurea defective mutant, egrot alkaloid biosynthesis 7506.
Claviceps purpurea, infection, Secale cereale seeds, competition, photosynthesis carbon sources 374.
formation, Carboxamides, effects on, Sclerotium roffsii 4302.
formation, Gelerotium cepivorum, Allium, odor compounds, flavor compounds, induction 4001.

ermination, competition, environmental stress, nutrient availability, soil 9573. Accrophomina phaseolina, germination, nutrient availability, fungistasis, soil 9572.

Macrophomina phaseolina, soil isolates, media (selective) 1815.

Phymatorichum omnivorum, antifungal activity, ammonia 696, pigmentation, Sclerotinia scierotionum, pathogenicity, Lactuca sativa 6830, quantitation, Scierotinia minor, Arachis hypogaea blight 5680. Scierotinia minor, pariniation, soil pH, Arachis hypogaea leaves volatiles effects on 4937.

Sclerotinia minor, Sclerotinia trifoliorum, proteins, purification, characterization 8.

Scientilina Scientificum, proteins, purification, characterization 7. Scientilina tuberosa, ultrastructure preservation, methodology 8161. Scientilina tuberosa, ultrastructure preservation, methodology 8161. Scientilina proprieta in the scientilina science, dielally disulfide soil amendment effects on

1514.
Scientium cepivorum, viability, association, drying, soil location 6972.
Scientium oryzae, poly(ethylene) soil mulches effects on 1513.
Sclerotium rofisii, factors affecting, germination, Trichoderma harzianum antagonism, soil 9570.
Scientium rofisii, methyl bromide+chloropicrin, relative humidity effects on toxicity 499.
Verticillium altho-starum methyl bromide+chloropicrin, relative humidity effects on

Verticillium albo-atrum, methyl bromide+chloropicrin, relative humidity effects

on toxicity 499 on toxicity 499.

Sclerothiae,
host plants, Xanthium pensylvanicum, virulence 5753.

Sclerothia homoeocarpa,
resistance, iprodione, benomyl, dollar spot, Agrostris palustris 6010.

```
Sclerotinia minor,
blight, Arachis hypogaea, fungicides disease control 4100.
blight, chlorotralionii, disease control, Arachis hypogaea 3151.
blight, disease resistance, plant breeding, Arachis hypogaea 1342.
                                                                                                                                                                                                                                                                                                                                                                                                                               Sea water, (continued)
isolation, Vibrio minicus 6265.
metals, fouling organisms, antifouling substances, antibacterial activity 151.
steel corrosion, heterotrophic bacteria, role dissolved oxygen 9626.
uranium, bioaccumulation Streptomyces viridochromogenes, immobilized cells 4258.
Vibrio parahaemolyticus isolates, identification, serotyping 3552.
              bright, Glycine max 1132.

lettuce drop, disease control, metham sodium, Lactuca sativa 4002.

sclerotia germination, soil pH, Arachis hypogaea leaves volatiles effects on
                                                                                                                                                                                                                                                                                                                                                                                                                                         serbod, bacteria, spoilage, food contamination, packaging 2935. carbon dioxide storage conditions effects on spoilage 2921, contamination, Salmonella matopeni, Salmonella cerro 188. Enterobacteriaceae, histamine production, media (culture) 2674, food contamination, Staphylococcus aureus, food processing hygiene 3858 food contamination, viruses, bacteria 8466. growth, effects on, Clostridium botulinum, toxigenicity toxicity 309.
               sclerotia, proteins, purification, characterization 8
   sclerotia, profeins, purification, characterization 8. sclerotia quantitation, Arachis hypogaea blight 5680. 
Sclerotinia sclerotiorum, antifungal activity, extracts 1570. 
ascospores, infection, symptoms, Glycine max, Phaseolus vulgans 9334. 
blight, Glycine max 1132. 
Canada, Linum usitatissimum 7691. 
infection, Brassica napus, fungicides disease control, spore traps 8634. 
infection, Glycine max, disease resistance 1359. 
infection, stems, Papaver somniferum, effects on morphine production, distribution 6812.
                                                                                                                                                                                                                                                                                                                                                                                                                                         growth, effects on, Clostridium botulinum, toxigenicity toxicity 309, indicator species 6671.

Limilus lysate test, endotoxins levels 2956.

microbial contamination, Salmonella entertidis 2911, preservatives, EDTA, lysozyme 2934, quality control, resazurin test, food contamination, bacteria 3374, spoilage, bacteria, chlorotetracycline+sodium chloride treatment effects on 2922. spoilage, bacteria, detection, ethanoil levels 6458.

spoilage, proteolytic bacteria 3825, storage effects on bacteria, Crassostrea virginica, Mercenaria campechiensis 4765.
                           distribution 6812.
 distribution 6812.

polygalacturonase, purification, characterization, role pathogenicity 946. sclerotia, pigmentation, pathogenicity, Lactuca sativa 6830. sclerotia, proteines, purification, characterization 7. stem rot, Glycine max, disease resistance, measuring techniques 6669. white mold, glease resistance, pint breeding, Phaseolus 1365. white mold, Phaseolus, USA 4940.

Sclerotinia triffollorum, apothecia, development, infection, Trifolium incarnatum 2106. maackiain biodegradation 2000. root rot, disease resistance, Trifolium pratense 2251. sclerotia, proteins, purification, characterization 8.

Sclerotinia tuberosa, sclerotia utrastructure preservation, methodology 8161.

Sclerotum ceprvorum, amino acids Allium cepa infection 5751.
                                                                                                                                                                                                                                                                                                                                                                                                                              4705.
Vibrio cholerae food contamination, toxicity man 1070.
Vibrio parahaemolyticus isolation 2051.
Vibrio parahaemolyticus, media (selective), polymyxin B loss 222.
Seasonal variations,
                                                                                                                                                                                                                                                                                                                                                                                                                                      pare metrinoytrous, media (selective), polymyxin B loss 222.

**Beasonal variationa**, actinorrhizas, nitrogen fixation, nodules, Ceanothus velutinus 9513. 

**acrobic bactena levels. Fagus forests soil horizons 524. 

**bacteria distribution, lakes, Italy 7203. 

**effects on microorganisms biodegradation pollutants, aquatic environment 2876. 

**mycorrhizas, nutnent status, Gramineae 1490. 

**mycorrhizas, otols colonization, Trifolium repens 554. 

**nitrifying bacteria, ammornifying bacteria, association, Fagus forests, soil 

**nitrifying bacteria, ammornifying bacteria, association, Fagus forests, soil 

**nitrifying bacteria, ammornifying bacteria, resociation, Pagus forests, soil 

**nitrifying bacteria, ammornifying bacteria, resociation, Pagus forests, soil 

**nitrifying bacteria, soil properties, grasslands, tropical environment 561. 

**Pseudoercosporella herpotrohicolides infection, Hordeum, epidemiology 1150. 

**Pseudoerco
              cierotuum ceproorum,
amino acids Allium cepa infection 5751.
sclerotia formation, Allium, odor compounds, flavor compounds, induction 4001.
sclerotia germination, competition, environmental stress, nutrient availability,
soil 9573.
 soil 9573.

soil 9573.

solerotia, incidence, diallyl disulfide soil amendment effects on 1514.

solerotia viability, association, drying, soil location 6972.

white rot, Allium, Bacillus subtilis, use, biological control 6592.

white rot, Allium cepa, seed treatments, biological control, Bacillus subtilis, etc. Inugicides 4103.

white rot, Allium cepa, seeds y-radiation effects on incidence 1426. white rot, Ilium cepa, seeds y-radiation effects on incidence 1426. white rot, lipid composition, Allium cepa 5756.

white rot, lipid composition, carbohydrate composition, organic acids composition, Allium cepa 5760.

white rot, pathology, disease control, Allium cepa, reviews 1260.

Sclerottum oryzae.
                                                                                                                                                                                                                                                                                                                                                                                                                              Secale cereale,
benomyl, soil fungistasis 5836.
habdovirus infection 2118.
seeds, infection, Claviceps purpurea sclerotia, competition, photosynthesis
                                                                                                                                                                                                                                                                                                                                                                                                                              seeds, infection, cliaviceps purpurea scierotia, competition, phot carbon sources 374.

Socialonic acid D, contamination, com dust 279.

Secondary alcohols, biosynthesis, Bacillus subtilis var.niger 3755.

Secondary metabolitem, fungi, metabolitem, fungi, metabolitem, fungi, metabolites, books 3637.

microorganisms, antibiotics, extracellular enzymes, books 3636.
   disease resistance, plant breeding, Oryza sativa 7743. sclerotia, poly(ethylene) soil mulches effects on 1513. stem rot, Oryza, disease resistance 9469.
            clerotium rolfsil, antifunda divinity, extracts 1570. basidiospores, role, pathogenesis, blight, Agrostis tenuis 9339. blight, disease control, fungicides, salts, Trichoderma, Poa 1402. blight, furnigants disease control, Malus pumila 492. Carboxamides, effects on, growth, sclerotia, formation 4302. cellulase assays 9158. fruit rot, Lycopersicon esculentum 6807. growth, mathematical models 7265.
                                                                                                                                                                                                                                                                                                                                                                                                                            microorganisms, antibiotics, extracellular enzymes, books 3636.

Secretin,
biosynthesis, genetic engineering, Escherichia coli 1970.

Sedimentation,
activated sludge, effects on waste treatment 1703.
fermenters, biomass production, reviews 8083.

Sediments,
aquatic environment, oxalic acid, biodegradation, bacteria 7543.
aromatic compounds, digestion (anaerobic) 4760.
collection, methodology, detection, viruses, marine environment 2655.
estuaries, pacteria biomass, muramic acid indicators, gas chromatography 9027.
estuaries, entertiis viruses, isolation methodology 1096.
extraction, spores, Clostridium perfinigens, methodology 1771.
ground water, microorganisms biomass detection methodology 3asociation, glycerol assays 4466.
harbors, Entlerobacteriaceae, antibiotic resistance, heavy metals resistance 9645.
            grown, mausements all models /200.

infection, Agrostis palustris, disease control, antifungal agents 1397.
isolation, use, media (culture)+validamynic 2772.
isolation, use, media (culture)+validamynic 2772.
pears, post-harvest decay, pathogenesis, amino acids, levels 1324.
scierotia, factors affecting, germination, Trichoderma harzianum antagonism, soil
            sclerotia, methyl bromide+chloropicrin, relative humidity effects on toxicity
            soil-borne diseases, integrated control, Trichoderma harzianum bulbs treatment, soil solarization, Iridaceae 7768.
                                                                                                                                                                                                                                                                                                                                                                                                                                    assays 4466.
harbors, Enterobacteriaceae, antibiotic resistance, heavy metals resistance 9645.
hydrocarbons biodegradation, oil installations, marine environment 2392 lakes, bacteria, dehalogenation, halogenated aromatic compounds 6648.
lakes, bacteria, dehalogenation, organic compounds biodegradation, bacteria 7553.
marine environment, bacteria biomass measuring techniques, muramic acid, high-performance liquid chromatography 7252.
marine environment, vibrio parahaemolyticus isolation 2051.
microbial pollution, indicator species, coastal waters 8065.
rhizosphere, nitrogen fixation, sulfate-reducing bacteria, Zostera marina 2356.
rhizosphere, nitrogen fixation, sulfate-reducing bacteria, Zostera marina 2356.
rivers, isolates, bacteria, PCB biodegradation 8421.
sewage outfalls, water pollution, enterovirus, Streptococcus, coliforms 796.
soil, relationship, microorganisms membranes lipids 5104.
streams, wood decomposition, bacteria 2885.
USA, Washington, microbial pollution 2627.
yeasts volume association, measuring techniques 9089.
 Scolytidae,
pest attack 8651.
            pest attack, susceptibility, Heterobasidion annosum, Verticicladiella, root rot, Pinus ponderosa 5865.
   Scolytus,
 vectors, microorganisms, Dutch elm disease, Ulmus glabra 1453.

Scophthelimus maximus, larvae, infection treatment, antibacterial agents, Brachionus pilcatilis, food sources, aquaculture 7609.
 Screening,
fungicides, disease control, Erwinia amylovora, fireblight, seedlings, Malus
pumila 1406.
           heterotrophic microorganisms, heavy metals leaching, methodology 3256. hydrogenase activity, Rhizobium japonicum 3578. lignocellulose biodegradation, Trichoderma 3795. methodology, plasmids mediation β-lactamase production, Escherichia coli
                                                                                                                                                                                                                                                                                                                                                                                                                              Seed crops,
methodology, plasmids mediation β-lactamase production, escnericnia o 3594.

Screening projects, bioassays 3599. differentiation regulators, Streptomyces griseus, anthracycline antibotics production 3602.

Scrub typhus, diagnosis, immunofluorescence, Weil-Felix test, man 9964.

Scytalidium lignicole, β-D-glucosidase, purification, characterization 9156. production, cellulase, β-D-glucosidase 527.
                                                                                                                                                                                                                                                                                                                                                                                                                                      Brassica, incidence, Alternaria, Leptosphaeria maculans, British Isles, surveys 4042.
                                                                                                                                                                                                                                                                                                                                                                                                                              Seed germination,
Cajanus cajan, Aspergillus effects on 7796.
fungal flora inhibition, seed-borne diseases, Cedrus deodara 9528.
                                                                                                                                                                                                                                                                                                                                                                                                                              Seed rot,
                                                                                                                                                                                                                                                                                                                                                                                                                                      role production, pectin lyase, pectate lyase, Phoma exigua, Vigna radiata 7413. seed treatments, fungicides, Gossypium 1432.
                                                                                                                                                                                                                                                                                                                                                                                                                            Seed treatment,
captan, Lolium perenne yield 5847.
                                                                                                                                                                                                                                                                                                                                                                                                                            Seed Treatment Pietro Journal Devices (Seed Treatment). Seed Treatments, adhesives, Rhitzobium mellioti inoculation, Medicago sativa 8681. 
Agrobacterium radiobacter Polysacchandes, Inhibition damping-off, Pythium ultimum, stimulation growth, Beta vulgatis 7710. 
Allium cepa, white rot, biological control, Bacillus subtilis± fungicides
Scytalore,
blast, Oryza sativa, effects on Pyricularia oryzae pathogenesis 5827.
```

8677

blast. Oryza sativa, elicibas or.

See water,
antibiacterial activity, Escherichia coli, halophilic bacteria 3318.
antibiotic resistance, coliforms, detection 7902.
aquatic microorganisms, fouling organisms, films, steel surfaces corrosion 1055.
coliforms enumeration, media comparison 9956.
coliforms, microbial pollution, sewage effluents 3481.
continuous culture, Candida lipolytica, Azotobacter vinelandii 8089

Arachis hypogaea, fungicides, association, disease control 2291.
Azotobacter chroococcum, nitrogen fixation, effects on yield, Cyperus rotundus

Seed treatments, (continued)
Bacillus subtilis, disease control, white rot, Allium cepa 5848.
disease control, Pseudomonas syringae pv.lachrymans leatspot, Cucumis sativus

disease control, Septoria nodorum glume blotch, Triticum aestivum 9466. effects on, Drechslera graminea, disease spread, leaf stripe, Hordeum vulgare

emects on, unechsiera graminea, disease spread, lear stripe, Hordeum vulgare 1425.
Enterobacter cloacae, biological control, Pythium rot, Beta vulgans, Cucumis sativus, Pisum sativum 9481.
fungi plant diseases, Glycine max, Gramineae, fungicides, reviews 4132.
fungicides, disease control, Glycine max 1428.
fungicides, disease control, rot rot, Glycine max, USA, Ohio 7772.
fungicides, disease control, rot rot, Glycine max, USA, Ohio 7772.
fungicides, disease control, Tilleha controverse bunt, Triticum aestrum 4110.
fungicides, disease control, tobacco mosaic virus, Crotalaria juncea 1436.
fungicides, disease control, tobacco mosaic virus, Crotalaria juncea 1436.
fungicides, disease control, Cochilobolus sativus infection 1429.
Hordeum fungicides, disease control, Cochilobolus sativus infection 1429.
Hordeum vulgare, Triticum aestrum, use, phenylmercuric acetate, effects on Fusarium moniliforme elimination, corn 5845.
leal stripe, Pyrenophora graminea, Hordeum vulgare 1435.
metalavyi, disease control, downy mildew, Oryza sativa 1433.
metalavyi, Pennisetum americanum, disease control, Sclerospora graminicola downy mildew 9502.
Oryza sativa, use, phytytoalexins inducers, induction, hypersensitive response,

mildew 9502.

Oryza sativa, use, phytoalexins inducers, induction, hypersensitive response, disease resistance, Drechslera oryzae infection 2292.

Pseudomonas, disease control, Gaeumannomyces graminis, take-all, Triticum

aestivum 3158. aestivum 3158. addimenol. Gaeumannomyces graminis var.tritici, take-all, Triticum aestivum 5067.

aestivum 3158.

taadimenol. Gasumannomyces graminis var.tritici, take-ail, Triticum aestivum 5067.

triphenyttin ichloride, Xanthomonas oryzaeon, Oryza sativa 2293.

Triticum aestivum, risieases control, ioose smut, Ustitago 1421.

Triticum aestivum, risientonship oaicum peroxide antimicrobial activity 7773.

Sed-borne diseases,
bean pod mottie virus infection, Glycine max, epidemiology 2984.

Diaporthe phaseolorum var.sojae, relationship, symptoms, Glycine max, seeds 1143.

effects on, Zee mays, yeld, Fusarium monitiorme 1180.

fungal flora, inhibition seed germination. Cedirus deodara 9528.

fungi infection, Vigna radiata, bodestine devins deodara 9528.

fungi infection, Vigna radiata, bodestine devins deodara 9528.

fungi infection, Vigna radiata, bodestine devins deodara 9528.

Fusarium nivale, pathology, Triticum aestivum, seedlings 3937.

risolation, Xanthomonas eampestris pv. vignicical, Vigna unquiculata 4944.

maize chlorotic mottle virus, Gramineae, Zea mays 4949.

Peronospora effusa, downy midew. Spinacia oleracia 9423.

Pisum sathvum, detection, Mycosphaerella pinodes, Macrophomina phaseolina, Phoma medicagnis var priodella, Fusarium oxysporum 6732.

plants pathogens, quality control assays 2968.

Pseudomonas syringae pv. tagetis, leafspot, Helianthus annuus 1303.

rot, Macrophomina phaseolina, pathology, Sesamum indicum 5022.

Septoria nodorum, detection, fluorescence, Triticum aestivum 1190.

soybean mosaic virus, radioimmunoassay, Glycine max 1316.

Verticillium albo-atrum, detection, fluorescence, Triticum aestivum 1190.

sved-borne fungi,

fungicides, antifungal activity, trees 2319.

irlection, Cajanus cajan, isolation, identification 7650.

Sed-borne fungi,

fungicides, antifungal activity, trees 2319.

irlection, Cajanus cajan, isolation, identification 7650.

Sediling blight,

Allemana cacssica, veed control, Cassia obtusfolia, Cassia occidentalis,

Crotoliana spectabilis 1286.

Fusarium graminearum, disease resistance, Triticum aestivum 4072 Septoria nodorum, pathology, Hordeum vulgare 6767.

Seedlings,
Abies fraseri, bioassays, Phytophthora cinnamomi, soil 324.
Acer pseudoplatanus, endomycorrhizas effects on growth 531.
Arachis hypogaea, growth, nodulation, Cercospora arachidicola leafspot effects on Arachis

341.

Brassica, Pythium aphanidermatum damping-off, new records, Singapore 1259.

Citrus jambhiri, witt, Pierce's disease bacteria 392.

Citrus lemon, root rot, Phytophthora nicotianae var.parasitica, fungicides disease control 484.

oisease control 484.

coal mines, inoculation, Rhizobium+fertilizers slurries 8691.

Coffea arabica, disease resistance mechanisms, Colletotrichum coffeanum 479.

Coffea, Phoma costarricensis, dieback 7682.

Cucurbitacee, disease resistance, Phytophthora drechsleri 1364.

Eucalyptus st-johni, mycorrhizas development 4208.

Eucalyptus st-johni, mycorrhizas development 4208.

Eucalyptus 7755.

Indiadrec 1755.

Dataticola 7755. hitzoctonia solani infection, Helianthus annuus seedlings 6870. Gossypium, diseases, bacteria, tungi, disease control 2225. Gossypium hirsutum, soli-borne diseases, Pythium 1266. growth, soil properties 522. growth, Sophora secundifora, mycorrhizas effects on 583. Helianthus annuus, Rhizoctonia solani infection, disease control, fungicides 6870.

6870

6870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.
16870.

round 1400-mycorrhizas inoculation, trees 5857.

Oryza sativa, Rhizoctonia solani infection, soil moisture effects on 4965.

Picea sitchensis, toxicity, formanoxin, Formes annosus 6914.

Pinus ponderosa, Pseudotsuga menziesii, Laccaria laccata inoculation, fertilizer applications 5852.

Pinus radiata, Diplodia pinea infection, relationship, temperature, condensation 7786

Pinus radiata, susceptibility, Diplodia pinea infection 7787 plants, greenhouses, Pythium infection, damping-off 1265

eedings, (continued)
Pseudolsuga menziesii, growth, survival, innoculation, mycorrhizas 518.
Pseudolsuga menziesii, Fusarium roseum stem rot 5875.
Quercus, Cronarium quercuum f.sp.fusiforme rust, aeciospores inoculum 544.
Quercus velufian, water relations, water potential, ectomycorrhizas, Pisolithus

tinctorius 9508.
roots respiration, Phytophthora cinnamomi infection, plants 5688.
roots respiration bicolor, carbon compounds exudates, nitrogen-fixing bacteria inoculation 4243.
Sorghum bicolor, susceptibility, maize dwarf mosaic virus 6747.
Sorghum vulgate, roots, cytology, mitosis, Periconia circinata phytotoxins effects on 9344.

effects on 9344.
Theobroma caeae, pathogenicity, Phytophthora 3966.
trees, phosphate uptake, vesiculari-arduscular mycorrhizas 9503.
trees, root rot. Phytophthora cnnamomi 1463.
Tritcum aestrum, pathology, seed-borne diseases, Fusarium nivale 3937.
Tritcum aestrum, root rot. Fusarium graminearum, nitrapyrın disease control

Triticum, Fusarium culmorum infection, water potential effects on pathogenicity

Tsuga heterophylla, Cenococcum geophilum mycorrhizas formation, USA, Oregon 6912. Tsuga heterophylla, plant diseases, Colletotrichum acutatum, new records, Canada 7783.

Zea mays, disease resistance, blight, ear rot, Fusarium graminearum 1361.
Zea mays, etiolation, host-paraste interactions, susceptibility,
Helminthosponum maydis, Helminthosporium carbonum 3015.
Zea mays, Peronosolerospora sorghi, osspores, infection, inoculum, methodology 8551

eeds,

eeds, Allium cepa, γ-radiation effects on white rot incidence 1426. Arachis hypogaea. Aspergillus parasiticus. Aspergillus oryzae, spoilage 3802. Arachis hypogaea. Phizobium inoculation, nodulation, introgen fixation 9591. Brassica oleracea, Alternana brassicicola infection, epidemiology 1229. Brassica oleracea, leafsport, disease control, iprodione 508.

Brassica oleracea, leafspot, disease control, iprodione 508.
Brassica, surfaces, bacteria, factors affecting 4793.
coats, Helanthus annuus, autohydrolysis-explosion pretreatment, effects on Trichoderma reseus cellulase hydrolysis 9136.
color, relationship, lesions, Septona glycines brown spot, Glycine max 5684.
Cosmos sulphureus, storage conditions effects on fungal flora 4048.
Crotiatria juncea, Macrophomina phaseolina infection, pathogenesis 1272.
Cuscuta, germination inhibition, bacteria activity 8577.
deterioration, fungi, association, Insecta 2975.
Eucalphus, fungal flora, characterization 3103.
Festuca arundinacea, infection, Acremonium coenophialum, detection methodology 9077.

Lecupyous, bright mode, trained and an order to a conophialum, detection methodology 1077
fungal flora, Compositae 7726, fungal flora, Elettania cardamomum 7725, germination, exudates, carbon sources, bacteria soil 551, germination, exudates, carbon sources, bacteria soil 551, germination, Glycine max, Cercospora kituchie flects on 4939, germination, Zea mays, Gossypium hirsutum, Triticum aestruum, Azotobacter chrococccum stimuliation 3194.
Glycine max, detection soybean mosaic virus, solid phase methods, radioimmunoasasy 3536.
Glycine max, fungi, mycelia, penetration, pores 321.
Glycine max, microflora, Azotobacter± foliar applications effects on 5671.
Glycine max, soybean mosaic virus infection, detection, enzyme-linked immunosorbent assay 343.
Glycine max, soybean mosaic virus infection, detection, enzyme-linked immunosorbent assay 343.
Glycine max, symptoms, relationship, seed-borne diseases, Diaporthe phaseolorum var.sojae 1143.
Gossypium hirsutum, ammoniation, effects on cow's milk aflatoxin M1, cattle feeding regimes 2945.
Gossypium hirsutum, protection, fungi infection 5068.
Guizotia abyssinica, germination, phytotoxins inhibition, fungi 2082.
Hordoum vulgare, heat freatments, disease control, Pyrenophora graminea, inoculation, Azotobacter chroococcum, nirrigoen fixation, Zea mays 4233, Lactuca sativa, lettuce mosaic virus detection, enzyme-linked immunosorbent assay, USA, Florida 5017.
Lactuca sativa, radioimmunosorbent test detection lettuce mosaic virus 1754.
Legumnosae, Rhizoblum inoculation, problems, Israel 5945.

liquid culture 1786.
Leguminosae, Rhizobium inoculation, problems, Israel 5945.
Leguminosae, + Phizobium, survival, inoculum methodology effects on 1510.
Linum usitatssimum, calories content, Aspergiillus niger, Fusarium oxysporum

effects on 7722

Linum usratissimum, calones content, Aspergillus niger, Fusarum oxysporum effects on 7722.

Lupinus angustifolius, phomopsis leptostromiformis, infection, detection, methodology 1811.

Lycopersicon esculentum, Pseudomonas syringae pv.tomato infection survival 412.

Lycopersicon esculentum, tobacco mosaic virus infection 2184.

Medicago sativa, detection, Verticillium albo-atrum, seed-borne diseases 3918.

microflora, Capsicum annum, fungicides effects on 5822.

Pentaclethra macrophylla, termentation, bacteria 6675.

Phaseolus mungo, germiation, fungi effects on 3924.

Phaseolus mungo, germiation, fungi effects on 3924.

Phaseolus vulgaris, survival, Rhizobium phaseoli, coal inoculum effects on 3159.

Picoa stichensis, Caloscypha fulgens penetration, pathogenesis 3174.

Pinus taeda, pitch canker epidemiology 543.

Piper nigrum, Xanthomonas campestris, infection, survival 412.

Pisum sativum, Pseudomonas antagonism, Trichoderma hamatum, association, Pythium rot, biological control 5820.

plants, Azoriobacter chrococcum inoculation, effects on yield 7800, production, Pinus contorta subsp latfolia, bilster rust effects on 4169.

Secale cereale, infection, Claviceps purpurea sclerotia, competition, photosynthesis carbon sources 374.

Seamum iniciaum, post-harvest decay, Aspergillus niger, Alternaria alternata, arenteris leucies 77,70-54.

photosynthesis carbon sources 374.

Sesamum indicum, post-harvest decay, Aspergillus niger, Alternaria alternata, proteins levels 7717.

Triticum aestivum, fungi infection, relationship germination 8600.

Triticum, sterilization, methodology, Gaeumannomyces 5846.

viability, association, fungicides prevention fungi post-harvest decay, com 5029.

Vigna catjung, germination, fungi spoilage effects on 3919.
Vigna radiata, Aspergillus infection, storage conditions effects on 2111.
Vigna radiata, incoulation, Phizobium, survivability 1498.
Vigna unguiculata, isolation, Xanthormonas campestris pv.vignicola 4944, yield, Glycine max, tillage effects on 5130.

Seeds, (continued)
yield, Lespedeza cuneata, association, Rhizoctonia bilight 6745,
yield, photosynthesis, relationship nitrogen fixation, Glycine max 6984.
Seirdlum cardinale,
canker, pathology, Cupressus sempervirens var.stricta, Cupressus sempervirens
var.horizontalis 5869. Septoria veronicae, leafspot, pathogenicity, Hebe 5757. Septorine, Septona nodorum, structure 7444 Serine. production, methylotrophic bacteria 3660, production, Sarcina albida, defective mutant, biodegradation 6382. Selection, Gnomonia leptostyla anthracnose disease resistance, Juglans nigra 5874. Serine, Selenazole, antiviral activity 8797. production, Escherichia coli immobilized cells 9126.

Serine carboxypeptidase,
Pycnoporus sanquineus, punfication, characterization 6503.

Serine proteinase,
Bacillus subtilis, punfication, characterization 7416.
biosynthesis, Bacillus brevis, sporulation 6545.
Condidobolus, biosynthesis, activity, characterization 8304.
Escherichia coli, punfication, characterization 3679.
Halobacterium halobium, punfication, characterization 7393.
intracellular, Bacillus brevis, association, sporulation, punfication, characterization, 36.
solation, characterization, 36.
solation, characterization, Bacillus brevis 8281.
punfication, characterization, Bacillus icheriformis 6400. production, Escherichia coli immobilized cells 9126. antivra acuny of the Case of t Selenomethione, identification, acetyl-CoA acetyltransferase, Clostridium kluyveri 88. Selenomethionine, radioactive labelling, viruses proteins, methodology 1761. Self-association, exo-1,3-β-D-glucanase, Saccharomyces cerevisiae, Candida utilis, Geotrichum lactis, Kluyveromyces phaseolosporus 44. Semen, cryopreservation media, contamination, antimicrobial activity, nipagin 1591.
Susscrofa, bacteria, antibacterial activity, antibiotics 715.
Semilarid environmenta,
waste disposal, oil, biodegradation, soil properties, revegetation 7020.
Semiliki Forest virus,
core protein, amino acid sequence 7292.
polyriborucleotides antiviral activity, chick embryos 1578.
Senecio jacobes,
association Hydrangea macrophylla, tomato spotted wilt virus detection 5016.
Senescence (Secobes,
association Hydrangea macrophylla, tomato spotted wilt virus detection 5016.
Senescence (Secobes) purification, characterization, Bacillus licheniformis 6490, purification, characterization, Trichoderma lignorum, Trichoderma koningii 20. Thermoactinomyces vulgaris, active sites, structure-activity relationships 3665. Inermoactinomyces vulgaris, active sites, structure-activity relationship Seroepidemiology, use enzyme-linked immunosorbent assay, hepatitis B surface antigen, antigen-antibody complexes, man 822. Serological tests, edema diagnosis, Escherichia coli neurotoxins 3885. methodology, Streptococcus classification 3885. methodology, Streptococcus classification 3885. reagents, quality control, contamination, bactena, viruses 5229. mescence, Gramineae, Erysiphe graminis powdery mildew, shading, effects on 3956. Poa pratensis leaves, Drechslera sorokiniana leafspot, herbicides effects on Serotonin. Serotonin,
Pichia guilliermondii, effects on radioresistance 7025.
Serotyping,
Chlamydia psittaci, sheep isolates, immunofluorescence 875.
Citrobacter kosen 7903.
Erysieplothrix rhusiopathiae 6329.
Erysieplothrix rhusiopathiae 6330. pathogenesis 9387. Separation techniques Erysipolothrix rhusiopathiae 6330. herpes simplex virus, enzyme-linked immunosorbent assay 9853. rotavirus, enzyme-linked immunosorbent assay 1743. Shigella dysenteriae, Shigella boydii, use, agglutination 5405. Staphylococcus aureus, antisera, media (culture) effects on 881. Streptococcus group 6, Nigeria 1773. tobamovirus, infection, Capsicum 4032. Vibrio parahaemolyticus, identification, sea water isolates 3552. Serpula lacrimans, chemotropism, association, wood volatiles 3765. Serratia. Sepharose, Streptococcus lactis immobilization 6317. isolates, aerobic bacteria, antibiotics resistance 8729. Streptococcus, occupational exposure, meat industry, hygiene, man 2634. chemotropism, association, wood volatiles 3765.
dry rot, wood 3172.

Serratia,
aminoglycoside antibiotics, antibiotic sensitivity testing 4351.
aminoglycoside antibiotics, antibiotics 4340.
antibacterial activity, B-lactam antibiotics 4340.
antibacterial activity, beptactam antibiotics 4340.
antibacterial activity, cephalosporins 4341,
antibacterial activity, peperaciliin 9757.
arthreonam antibiacterial activity 777.
cefotetan antibacterial activity 7198.
cefotetan antibacterial activity 7440.
symbiosis, algae, photosynthesis, starch biosynthesis 3708,
urinary tract isloates, antibiotics sensitivity 8813.

Serratia killensia,
hydrocarbons degradation, amino acids production 8195.

Serratia marcescens,
antibacterial activity, Chromobacterium violaceum antibiotic Y-T0678H 9768.
M.K. 0366 antibacterial activity, 6055.
antibacterial activity, influence of the service of the peptidoglycans, biosynthesis, role, methicillin, antibiotic resistance, Staphylococcus aureus 5148.

Septic tanks, denitnfication, sand filters effects on 786. soils (sandy), survival, Salmonella adelaide, coliforms 1693. Septicemia, an, bacteria, antibiotic resistance 645 Septoria, amino acids, amidination, antifungal activity 2478. inflection, Triticum aestivum, yield 3369. fungicides 5830. speckled leaf blotch, Triticum aestivum, risid 369. fungicides 5830. speckled leaf blotch, Triticum aestivum, incidence, distribution, USA, California Septoria apli, Septorie apil, antifungal activity, pyrazoles derivatives 6875.

Septoria apilicola, leafspot fungicides disease control 4098.

Septoria glycines, brown spot, effects on, Glycine max, yield 5678, brown spot, effects on, Glycine max, lesions, relationship seeds color 5684, brown spot, temperature, dew, effects on, pathogenesis, Glycine max 2105 disease control, benomyl foliar applications, metham fumigation, Glycine max Septoria hellanthi. leafspot, Helianthus annuus, new records, Pakistan 7697. leafspot, incidence, identification, Helianthus annuus, Turkey 9438. leatspot, incidence, identification, Helianthus annuus, Turkey 9438.

Septoria fycopersici,
fruit rot, Lycopersicon esculentum 6807.
Ieafspot, disease control, plant breeding, Lycopersicon esculentum 5048.
Septoria molleriana,
leafspot, Canavallia kauensis 4990.
Septoria nodorum,
Trificium seetiivum seesonal variation 6781. clinical surveys 6003. antibiotic SM-1652 antibacterial activity 3398. disease resistance, Triticum aestivum, seasonal variation 6781.
glume blotch, association Sitodiplosis moseliana, triticum 1187.
glume blotch, disease resistance, plant breeding, Triticum aestivum 3123.
glume blotch, latent infection, Triticum aestivum 6750.
glume blotch, batspot, Hordeum pusillum, symptoms, isolation, characterization, infectivity 6751.
glume blotch, pathogenicity, Triticum aestivum, Hordeum vulgare 3021.
glume blotch, Triticum aestivum, disease control, crop rotation, seed treatments 1946.
Infection, Triticum aestivum, disease onlinescent aestivation. antibiotic synergism, antibiotic antagonism, cefotaxime, 3-desacetylcefotaxime 6118. 6118.
antibiotic T-1982 antibacterial activity 735.
bactenocin typing methodology 9895.
chtinase, purification 2784.
colonial characteristics association, antibiotic resistance 4283.
crown rot, Medicago sativa, USA, Utah 9322.
drug resistance, chiorhexidine 1525.
endonuclease activity, growth, sodium dodecylbenzene sulfonate, propanol, effects

1940b.
Infection, Triticum aestivum, disease resistance, genetic analysis 4058. leaf rust, disease control, triazbutyl, Triticum aestivum 506. seed-borne diseases, detection, fluorescence, Triticum aestivum 1190. seedling blight, pathology, Hordeum vulgare 6767. septorine, structure 7444. spore germination, pathogenicity, host range, Triticum aestivum, Hordeum vulgare 3019.

3019.
Septoria pulcherrima,
leafspot, Eucalyptus, New Zealand 7706.
Septoria pulcherrima sp.nov.,
characterization, association Eucalyptus leafspot 5085.
Septoria tritica,
leaf blotch, disease resistance, plant breeding, height, Triticum aestivum 454.
Septoria tritici,
infection, disease resistance, Triticum 8620.
infection, Triticum, leaves necrosis, yield reduction 9368.

Serum, aminopeptidase, assays, man, use leucine dehydrogenase, sphaericus, Bacillus megaterium 6308. aztreonam assays, high-pressure liquid chromatography 7167.

threonine biosynthesis 4580.

on 2460.

for 2460.

factumycin antibacterial activity 3436.

h-forminidoyl thienamycin, antibacterial activity 3430.

N-forminidoyl thienamycin, cefoxitin, antagonism cephalosporins, β-lactamase induction 7059.

lactic acid biosynthesis 8206.

lactic acid biosynthesis 8206.

lactic acid biosynthesis 8206.

cellinam² β-lactam antibiotics antibacterial activity 3314.

phages, monitoring, sewage treatment 3462.

piromidic acid antibacterial activity 1556.

O-specific polysaccharides, structure 4702.

suflonamide susceptibility, association, cotrimoxazole drug resistance 6004. temocillin antibacterial activity 1556.

hiscycline antibacterial activity, comparison, tetracycline, doxycycline, minocycline 1637.

Sewage treatment, (continued)
anaerobic bacteria, digestion (anaerobic), association, temperature 5289. films, activated sludge, microorganisms distribution, models 6849. films, activated sludge, models 6849, methanogenic bacteria, methylotrophic bacteria, technology, books 5450. monitoring, Serratia marcescene phages 3462. reactors, methane biosynthesis, bacteria 4435. urbanization, effects on, antibiotic resistance, coliforms 7879.
Sewage treatment plants, contamination, Salmonella, occupational hazards 1730. pollution monitoring, Spirillum volutans 3464. Serum, (continued)
bactericidal activity, gram-negative bacteria, reviews 4295.
bactericidal activity, mice, binding, Salmonella lipopolysaccharides antigenic
determinants 2452. antifungal agents quantification, high-performance liquid chromatography 5438 5438.

man, erythromycin binding, relationship antibacterial activity 2562.
pigs, pseudorabies virus antibodies, detection, immunodiffusion 5374.

Serum bacterioldal activity,
amikacin± ceftazidime, ceftoperazone± amikacin, Pseudomonas aeruginosa,
Klebsiella pneumoniae 3400.

Secamum Indicum,
pathology, rot, Macrophomina phaseolina, seed-borne diseases 5022,
seeds, post-harvest decay, Aspergillus niger, Alternaria alternata, proteins Sewers, concrete walls corrosion, Thiobacillus enumeration, Germany, Fed. Rep. 7537. Salmonella isolation, incidence, British Isles 1075 pambiogy, for, Macropriomina prassonina, seed-during classess outsides specifications of the control of the con Graminella nigritrons vectors, maize chlorotic dwarf virus stunt, Zea mays 5697. Grammenia nigritroris vectors, maze emotione owar vitro source, 254 mays 3007.

Sex hormones,
Phytophthora parasitica, production, isolation, characterization 6566.
Tremella mesenterica, tremerogen A-10, tremerogen a-13, purification, amino acid sequence 915. Sexual reproduction, Puccinia coronata, relationship pathogenicity, Rhamnus cathartica 9338. Shade, plantations, nitrogen cycle, nutrient sources, Theobroma cacao 3219. Stading,
effects on nodulation, nitrogen fixation, Inga jinicuit 7843.
Erysiphe graminis powdery mildew, effects on Gramineae senescence 3956.
Shales,
house mineralization, Pseudomonas, Rhabditis 556. oil, phosphorus mineralization, Pseudomonas, Hnaponus 5-oo.
Sheath bilgin.
Conticium sasakii, fungicides, disease control, Oryza sativa 3148.
disease resistance, Sorghum vulgare 1366.
Oryza sativa, height effects on yield 3017.
Oryza sativa, Rhizoctonia solani, reviews 6766.
Rhizoctonia solani, histopathology, Oryza sativa 372.
Rhizoctonia solani, Oryza sativa, overwintering disease control, burning 4953.
Rhizoctonia solani, virulence, Sorghum bicolor, Oryza sativa 1193.
Sheath od. life cycle, association Azospirillum brasilense nitrogen fixation 8702.

Setaria viridis,
rhabdovirus infection 2118. Setaria viridis, habdovirus infection 2118.

Sewage, aromatic compounds mineralization, bacteria 2008. bacteria, N-methyl-2-pyrolidone biodegradation 2017. beaches, pollution indicators, urease activity 3180. contamination, public health, man 5285. effects on, microbial pollution, bacteria, rivers 6264. fungi analysis, Mexico 8953. isolation, enterovirus, immunoelectron microscopy 3468. mercury concentration, relationship, activated sludge, bacteria activity 8943. nitroaromatic compounds, transformation, microorganisms 5288. organic compounds mineralization, bacteria activity, activated solution, incitoraganisms 5288. organic compounds mineralization, bacteria activity, godecus compounds mineralization, bacteria activity, 8962. Salmonella, amibiotic resistance, incidence 6016. Salmonella, amibiotic resistance, incidence 6016. Salmonella isolation, media (enrichment) comparison 2675. viruses levels, measuring techniques 5373. viruses levels, measuring techniques 5373. viruses levels, measuring techniques 5373. viruses levels, measuring techniques 5474. Sewage effluents, coliforms, incrobial pollution, sea water 3481. lagoons, anaerobic conditions, Thiopedia rosea flocculation 8064. microbial pollution, pollution pollution, biodegradation, marine microorganisms bacteria 5323. Sheath rot, Sarocladium oryzae, expenmental infection, inoculation, methodology, Oryza sativa 1188. Sheep, antibodies, visna virus, maedi virus, detection, enzyme-linked immunosorbent assay 2551.

carcasses, chlorine washing 6684.

Chlamydia psitad: isolates, serotyping, immunofluorescence 875.

digestbility, Gossypium hirsultum crop residues, rumen microorganisms, pretreatment, czone, sodium hydroxide 5633.

digestbility, Gossypium hirsultum crop residues, rumen microorganisms, pretreatment, czone, sodium hydroxide 5634.

erythrocytes cell culture secretions, antibacterial activity 6049.

feeds, crop residues, digestbility 4870.

milk, antibiotics excretion effects on yogurt production 4871.

salmonellosis, association, food contamination, man 3845.

toxicity, Stachybotrys atra, mycotoxins isolation, bedding straw 4897.

toxicity testing, teratogenicity testing, nutritive value, single-cell protein, Chaetomium cellulolyticum 9116. assay 2651 Sheep pox virus, sheep red blood cells, antibodies coatings, detection agglutination, rotavirus (human) 9856. Shelf life, Sheri irre, blueberries, fungi infection, disease control, carbon dioxide storage 3106. meat, bacteria levels, storage conditions 7598. spoilage, luncheon meat, Bacillus, Streptococcus 4872. Shelifish, nitrilotriacetic acid, marine pollution, biodegradation, marine microorganisms, Datcherla 592-5.

pollution monitoring, biological oxygen demand, algae 2614.

waste disposal, estuaries, effects on viruses levels 1704.

Sewage outfalls,
microbial pollution, indicator species, coliforms 3482.

sediments, water pollution, enterovirus, Streptococcus, coliforms 796. vacuum packaging, lactic acid bacteria inoculation, Vibrio spoilage 8495. wastes, stimulation chitinolytic bacteria, soil amendment, biological control, soil-borne diseases, Cosypium hirsutum 7769. Sewage outralls, microbial pollution, indicator species, coliforms 3482. sediments, water pollution, enterovirus, Streptococcus, coliforms 796. Sewage aludge, aerobic digestion, intrification, dentrification 5302. ATP levels, measuring techniques, use, Photinus luciferin 4-monooxygenase (ATP-hydrolysing) bioluminescence 7194.
ATP levels, measuring techniques, use, Photinus luciferin 4-monooxygenase (ATP-hydrolysing) bioluminescence 7194.
bacteria, biologegradation, phenol 5941.
composting, pathogens reduction 8938.
composting, pathogens reduction 8938.
compostis, thermophilic microorganisms 6253.
compostis, thermophilic bacteria 4431.
digestion (aerobic), thermophilic bacteria 4431.
digestion (anaerobic), methanogenesis 8934.
digestion (anaerobic), methanogenesis 8934.
digestion (anaerobic), wastewater treatment 8055.
disinfection, electrons, radiation 8927.
disinfection, pathogens 8936.
disinfection, pathogens 8936.
disinfection, pathogens 8936.
enterovirus, policivirus, relationship vaccination, man 3470.
feeding regimes, cattle, microorganisms, food contamination, meat 4803.
solation, Versinia enterocolitica 8945.
Isolation, Versinia enterocolitica 8945.
Isolation, Versinia enterocolitica 8945.
Isolation, Versinia enterocolitica 8945.
Selation, versinia enterocol Shells,
Arachis hypogaea, composts, effects on soil microorganisms, organic compounds, soils (sandy) 5133. soils (sandy) 5133.

Shigella, aminopeptidase detection, methodology 871, aminopeptidase detection, methodology 871, aminopeptidase detection, methodology 871, antibiotic resistance, R factors 7044, antibiotic sensitivity testing 6194, antibiotic sensitivity testing 6111, antibiotic sensitivity testing 6111, antibiotic sensitivity testing, antibiotic resistance transfer, Italy 8829, antibiotic sensitivity testing, medilinam 3407, cefotetan antibacterial activity comparison 6134, clinical isolates, antibiotic sensitivity testing 714, enteritis, clinical isolates incidence, antibiotic resistance, man 8733, gastrointestinal tract clinical isolates, norfloxacin antibacterial activity 2455. identification, automated methods 861. incidence, Ethiopia, drug sensitivity testing, antibiotic sensitivity testing 2525.
solates, hospitals, antibiotic resistance 8732.
media (isolation), use, antibiotics 6338.
shigellosis, disease spread, hand washing effects on, man, Bangladesh 5356.
Shigella byodili,
identification, agglutination 4483.
serotyping, use, agglutination 5405.
Shigella dysenteriae,
antibiodies, assays, passive hemagglutination 882.
isolation, sewage sludge 6248.
polysaccharides, carbohydrate composition, immunochemistry 7439.
relationship, Escherichia coli cytotoxins biosynthesis 2962.
Shigella flexneri,
leces, media (isolation) 7251.
identification, agglutination 4483.
media (anrichment) 3576.
plasmids, antibiotic resistance, clinical isolates 4280.

activated sludge, microorganisms distribution 787

```
Shigella sonnei.
                                                                                                                                                                                                                                                                                Single-ceil protein,
production, whey, Kluyveromyces bulgaricus, Kluyveromyces fragilis 4732.
Single-ceil protein,
        artibeatra aorinei,
artibeatra activity, antibiotics+ethonium 1558.
artiben (eriterobacterial common), trisacchandes components structure 9196.
clinical isolates, antibiotic sensitivity testing 714.
colicins, production, antibacterial activity. Escherichia coli 669.
media (enrichment) 3576.
                                                                                                                                                                                                                                                                                        Arthrobacter simplex, feeding trials, effects on hematology, organs histology,
                                                                                                                                                                                                                                                                                              rats 8491
                                                                                                                                                                                                                                                                                      rats 8491.

Arthrobacter simplex, nutritive value, rats, hydrocarbons, carbon sources 7597.

Aspergillus furmigatus, Manihot esculenta, nutritive value, rats, pigs 2932.

Basidiomycetes, amino acid composition, chemical composition, physicochemical properties, toxicity testing, animal models 9113.

biosynthesis, Aspergillus terreus, bagasse fermentation 1826.

biosynthesis, Aspergillus terreus, bagasse metabolism 3662.

biosynthesis, methanol utilization, Pichia pastoris isolation, characterization
        Phages, phage typing 3519.

plants extracts antibacterial activity, Iran 2458.

plasmids, antibiotic resistance, β-lactam antibiotics, aminoglycoside antibiotics 4278.
         traveller's diarrhea, vaccines development, man 8048.
 traveler's claiming, vacanisms. Shipdinoids, Shipdinoids, disease spread, hand washing effects on, man, Bangladesh 5356.
Shikmic acid, metabolism, menaquinones biosynthesis, Micrococcus luteus membranes 2839.
                                                                                                                                                                                                                                                                                        Candida tropicalis, amino acid composition, production, acids hydrolysis, Oryza
                                                                                                                                                                                                                                                                                       Candida tropicalis, amino acid composition, production, acids nydrolysis, sativa crop residues 1910.

Candida utilis, chemical composition, amino acid composition, production, industrial effluents, distilleries 9118.

Candida utilis, feeding trials, immune response, gastrointestinal tract, pigs
  Alkanna hirsutissima, antibacterial activity, Micrococcus luteus, Staphylococcus
                aureus, Bacillus subtilis 7081
  Guignardia laricina, Larix leptolepis, association, phytotoxins 4161. 
Shoots,
                                                                                                                                                                                                                                                                                              2929
                                                                                                                                                                                                                                                                                       Chaetomium cellulolyticum, production, lignocelluloses biodegradation, nutritive value, toxicity testing, laboratory animals 9116. conferences 10006.
         Vigna, genotypes, Rhizobium, nitrogen fixation 3234.
wilt, Erwinia amylovora amylovorin, host specificity, Cotoneaster pannosa,
spiraea vanhouttei, Malus pumila 9371.
                                                                                                                                                                                                                                                                                      conferences 10006.
economics, technology 9106.
economics, technology 9106.
economics, technology 9114.
latty acids, feeding trials, cattle, association cow's milk 250,
leeding trials, allergenicity, man, laboratory animals 9283.
feeding trials, food industry 9284.
microorganisms, nutrient sources, dogs 3851,
nutritive value, production, economics, fechnology 9107.
Penicillium commune, amino acid composition, feeding trials, rats, rabbits 4858.
   Shroud of Turin,
         dating methods, bacteria, fungi 2645
   Shrubs
          Tanzania forests, mycorrhizas symbiosis 2296.
  Sicale, Claviceps purpurea infected, localization, β-glucanase, β-glucosidase, pathogenesis 3917.
                                                                                                                                                                                                                                                                                       production 4865
  Sida aiba,
virus-like particles, disease transmission, Bernisia tabaci 2199.
Sida spinosa,
                                                                                                                                                                                                                                                                                       production, Aspergillus terreus, cellulose fermentation 8205.
production, bacteria, fermentation, crop residues 9110.
production, Candida, molasses, wine fermentation sediments, nutrient sources
  weed control, biological control, Colletotrichum malvarum 1285. Siderochelin A.
                                                                                                                                                                                                                                                                                              5628.
                                                                                                                                                                                                                                                                                       production, Candida tropicalis, use cellulose hydrolysis, cellulolytic bacteria 4774.
               olation, Nocardia, racemization, structure 1651.
  Sideromycin,
antibiotic resistance, Escherichia coli, association ton A gene proteins 641.
                                                                                                                                                                                                                                                                                       production, Candida tropicalis, Yarrowia lipolytica, petroleum biodegradation
 Silderophorea, Silderophorea, lesions, development, Vicia faba 3000. Bothytis cinerea, lesions, development, Vicia faba 3000. detection, electrophoresis methodology, microorganisms 8090. Vibrio vulnificus, production, association, iron acquisition 8369.
                                                                                                                                                                                                                                                                                      5992 production, Candida utilis, musts 5472, production, cheese whey conversion, yeasts 9286, production, economics, crop residues, food industry, industrial wastes 9108, production, fungl, hydrocarbons 4769, production, fungl, yeasts, bacteria 7602, production, Fusanum, Sporotrichum, crop residues, food industry, industrial wastes 9112.
 Sigatoka,
Mycosphaerella musicola, Musa sapientum 3969
  Silage,
Beta vulgaris, lactic acid bacteria, inoculum, effects on, fermentation 3854.
com+animal wastes, fermentation, biochemical characteristics, microorganisms
                                                                                                                                                                                                                                                                                        production, Methylomonas clara, methanol substrates 3659
                                                                                                                                                                                                                                                                                      production, methylotrophic bacteria isolation, propagation 9288. 
production, microgranisms, petroleum use 2930. 
production, nutritive value, crop residues 9111. 
production, nutritive value, erop residues 9111. 
production, nutritive value, feel production, social value, social v
         4868.
effuents, digestion (anaerobic), methanogenesis 8963.
feeds, factors affecting nutritive value 2927.
fermentation, Clostridium growth inhibition, nitrate role 6681.
         fermentation, fungi 5629,
fermentation, Pediococcus acidilactici, Lactobacillus plantarum 9282.
                                                                                                                                                                                                                                                                                              water 8212
                                                                                                                                                                                                                                                                                      wäter 48/12.
production, straw, Triticum, Myrothecium verrucaria 1084.
production, use, wasties, books 10000.
Saccharomyces fragilis, nutritive value, feeding trials, chickens 7608.
Schwanniomyces castelli, yeasts production 2043.
Torula, feeding trials, chickens 3856.
        termentation, revoluction administration and the state of the state of
                                                                                                                                                                                                                                                                                       yeasts, calcium, phosphorus, supplementation, feeding trials, chickens 9285. 
yeasts, cell walls lysis, Streptomyces lytic enzymes 7583. 
yeasts, production, distilleries, industrial effluents, nutritive value, rats
               pratense 2931.
  Silanes,
role, proteinase immobilization, Aspergillus awamori 1860.
                                                                                                                                                                                                                                                                                        yeasts, production, media (culture), Helianthus tuberosus, extracts 7606.
 Silica,
nizin adsorption 8019.
                                                                                                                                                                                                                                                                               Siphonaria pectinata,
pectinatone, antimicrobial activity 8910.
  Silicalite,
adsorption, butanol, Clostridium acetobutylicum, fermentation 4739.
 Silver,
Bacteroides susceptibility 681.
nylon fabrics, antimicrobial activity 3371.
resistance, Pseudomonas 5162.
                                                                                                                                                                                                                                                                                      interaction iron-sulfur centers, E.S.R., sulphite reductase (NADPH), Escherichia
                                                                                                                                                                                                                                                                                             coli 2807
                                                                                                                                                                                                                                                                               Sisomicin.
                                                                                                                                                                                                                                                                                      antibacterial activity, bacteria, clinical isolates 3425.
antibiotic synergism, azlocillin, Pseudomonas aeruginosa 8849.
+azlocillin, antibacterial activity, in vitro models 747.
  Silver leat,
Chondrostereum purpureum, Prunus domestica, biological control 4067.
  Silviculture,
mixed culture, Populus, biomass, interaction Alnus rubra, nodulation, nitrogen
                                                                                                                                                                                                                                                                              biosynthesis, Micromonospora inyoensis, pH effects on 6229.

Sitobion avense, barley yellow dwarf virus, infection, Hordeum vulgare, Avena sativa, effects on, disease transmission 6553, barley yellow dwarf virus strains transmission interference 6749, honeydew, +barley yellow dwarf virus infection effects on pathogenicity, Ctadosportum infection, Hordeum vulgare, Trifacum aestivum 3934.

Sitodiploats mosellans, association Septoria nodorum, glume blotch, triticum 1187.
               fixation 9512
 mxorni xo12.
mycorhizas symbiosis 2304.
trees, disease control, Phytophthora root rot 2317.
Simmondala californica,
leatspot, pathogenesis, Pleospora herbarium, new records 8578.
Simulations,
Enysiphe graminis f.sp.hordei, powdery mildew, Hordeum vulgare 8554.

Simulidee,
biological control, Bacillus thuringiensis subsp.israelensis, streams 6602.
pest control, toxicity, bacteria 298.

Simulium damnosum,
larvae, biological control, Bacillus thuringiensis, field trials 6609.

larvae, biological control, Bacillus thuringiensis, storage, tropical environment
6810.
                                                                                                                                                                                                                                                                                      odors compounds, biodegradation, Pseudomonas, Bacillus, Corynebacterium 5580.
                                                                                                                                                                                                                                                                              Skeletonema costatum,
comparison, Phaeodactylum tricornutum, extracts, antibacterial activity,
                                                                                                                                                                                                                                                                                             Staphylococcus 7162
              6610.
        vectors, disease control, biological control, Bacillus thuringiensis 1020.
Vectors, disease control, biological control, biological control, Simulium pectipes, biological control, biological control, biological control, biological control, Bacillus thurringlensis, field trials 1026.
Simulium vitatum,
                                                                                                                                                                                                                                                                                    kim-milk,
coliforms recovery, media (enrichment) 218.
freeze-thawing, viability, bacteria, Saccharomyces cerevisiae 220.
inhibition tobacco mosaic virus infection, Nicotiana glutinosa, Nicotiana
sanderae 6887.
survival, Campylobacter fetus subsp.jejuni, Campylobacter fetus
subsp.intestinalis, pH, temperature effects on 217.
```

Skin

Skin tests,

use, penicillin derivatives, synthesis 8852 Silde culture, bacteria viability, freshwater environments 3562.

MIT, disinfection, antimicrobial agents, man, books 6359. disinfection, antimicrobial agents topical application, man, reviews 6278. infection, prophylaxis, use, chlorhexidine soaps, man, reviews 6276. tissue culture, sodium hypochiorite decontamination, Staphylococcus aureus, Pseudomonas aeruginosa, Candida albicans 6092.

biological control, bioassays, pathogens, Culicinomyces clavosporus 7483. biological control, pathogenicity, mortality, Culicinomyces clavosporus 9209.

Streptomyces griseolus, inhibition, Lycopersicon esculentum, 1-aminocylcopropane-1-carboxylate synthase, ripening 7593.

Singapore, new records, Pythium aphanidermatum damping-off, Brassica 1259.

Binapyi alcohol,
 biodegradation, Schizophyllum commune 162.
 Sindbia virus,
 antiviral activity, phenylheptatriyer 7097.

core protein, amino acid sequence 7293. Sinefungin,

261

Slide preparation fungi, media 2723

Slides

preparation, powdery mildew, Malus 6351

exposure, erosion relationship, grasses cover, soil biochemical characteristics, microorganisms activity 7826.

Sludge, assays, proteolytic bacteria, methodology 850 disinfection, pathogens, wastewater treatment

ulsinitection, pariogens, was executed to detectivity 7195.
Sludges, air dying, association, viruses infectivity 7195.
digestion (anaerobic), temperature effects on 7199.
digestion (anaerobic), temperature effects on, kinetics 7200.
treatment, disposal, bibliographies 1697.

Treatment, Unspoon, Sturries, Cattle animal wastes. Eschenchia coli, Salmonella typhimurium, survival, isolation, drug resistance 2617. systems, pentosans hydrolysis 9262.

Smoke, Smoke, effects on, Pseudomonas syringae pv.syringae, Erwinia herbicola, ice nuclei formation, activity 8527.

ham, curing, contamination, growth, yeasts, fungi, bacteria 180

ham, Curing, Circumstanting States of Agropyron intermedium, nutritional status 8548. Cochiochioa frumentacea, incidence, India 2138. Entyloma dactylidis, Entyloma brizae, Gramineae 2129. Saccharum, disease resistance, heritability, diseases grades comparison yield 6859

cossy.

Saccharum officinarum, disease resistance 2258.
Saccharum officinarum, Ustilago soltaminea races characterization, neutron activation analysis 6760.
Tolyposponum penicillariae, disease resistance, Pennisetum americanum, field trials screening 9455.

trials screening 9455.
Tolyposporium penicillariae, pollination, Pennisetum americanum, effects on, pathogenesis 6777.
Ustilago osicis, incidence, Coix lachryma-jobi, Thailand 5770.
Ustilago osicilenta, Zizania lattiolia 373.
Ustilago osicilenta, Zizania lattiolia 373.
Ustilago osicilenta, Zizania control, Saccharum officinale, Hawaii 5709.
Ustilago scilaminea control, Saccharum officinale, Hawaii 5709.
Ustilago scilaminea, disease resistance markers, glycosides, buds, Saccharum Ustilago scilaminea, disease resistance markers, glycosides, buds, Saccharum

Ustilago Sutaminea, usease resistance in lanears, grycosocis, outs, o officinale 9359.
Ustilago soitaminea, disease resistance, Saccharum officinarum 470.
Ustilago soitaminea, Saccharum officinarum 1175.
Snow mold,
Triticum aestivum 1194.

Trituculi assatuming.

Sceps,

+ antimicrobial agents, use, man, reviews 6277.

chlorhexidine, use, prophylaxis, skin infection, man, reviews 6276.

contamination, microorganisms 2641.

industrial wastes, biodegradation, reviews 5579.

aspartate kinase activation, Escherichia coli 6536. microorganisms enzymes, forests soll analysis, land reclamation 7822

aspartate kinase activation, Escherichia coli 6536.
microorganisms enzymes, forests soil analysis, land reclamation 7822.
Sodium actate,
ion, oxygen distribution, Penicillium multicolor tetronic acids 7287.
Sodium berafets on heat inactivation, yeasts, fruit juices 5636.
inhibition, bacteria, coal, waste water, drainage systems 8713.
levels effects on Pseudomonas fluorescens, m-chlorobenzoale cometabolism 2016.
yeasts sensitivity 7093.
Sodium blaceronate,
+ hydrogen peroxide, effects on oral microflora, periodontitis, man 5353.
Sodium blaceronate,
+ sodium orate,
+ sodium orate,
+ sodium carbonate,
- sodium carbonate,
- flocts on Plasmodiophora brassicae diubroot, crop fields 314.
soil amendment, effects on enzymes activity, soil microorganisms 5927.

effects on Plasmodiophora brassicae clubroot, crop fields 314.

soil amendment, effects on enzymes activity, soil microorganisms 5927.

odium chlorate,
mixed culture, Nitrosomonas europaea+Nitrobacter winogradskyi, effects on
nitrification 5106.

+ sodium borate, stimulation fruits, Colletotrichum truncatum, Phomopsis,
anthracnose, stem blight, Glycine max 5821.

odium chloride,
anthricrobial activity, airborne microorganisms, fungi, synergism, ethanol+acetic
acid+essential oils 7115.

lood quiture, phosphate buffers. Legionella pneumophila 851.

caid+esential oils 7115.

blood culture, phosphate buffers, Legionella pneumophila 851.
cheddar cheese production, effects on clostridium growth 4850.
+ chlorotetracycline, treatment, seafood, effects on bacteria, spoilage 2922.
+ effects on, lysine, levels, Saccharomyces cerevisiae, growth 17.
+ eggs, effects on heat resistance, Micrococcaeae 4848.
+ heat treatments, peanuts removal, peanuts 6689.
+ hydrogen peroxide, dental plaque, man, toothbrushing comparison 8075.
+ potassium chloride, cheddar cheese ripening, Staphylococcus aureus, growth, enterotoxins biosynthesis 2037.
- preservatives, antimicrobial activity 706.
- soil amendment, effects on enzymes activity, soil microorganisms 5927.
- tolerance, Rhizobium japonicum characterization, Glycine max nodulation 6976.
- Sodium chlorite,
- mixed culture, Nitrosomonas europaea+Nitrobacter winogradskyi, effects on nitrification 5106.
- Sodium chlirhointe,

Sodium dithionite, reduction putidamonooxin, kinetics, Pseudomonas putida 2790.

reduction putidamonoxin, kinetics, Pseudomonas putida 2790.
Sodium dodecyl aufitat,
solubilization, plasma membranes, Pseudomonas aeruginosa 9664.
Sodium dodecylbenzene sulfonate,
effects on Serratia marcescens endonuclease activity, growth 2460.
Sodium fluoride,
mouthwashes, plaque index, acid production, dental caries, man 7210.
mouthwashes, prophylaxis, dental caries, children 8990.
Sodium hydroxide,
association, straw biodegradation, hydrolysis, rumen microorganisms 4751.
detoxification, alfatoxin B1, mutagenicity, toxicity 278.
+ heat, pretreatment, Zea mays crop residues, hydrolysis, cellulase, Trichoderma

Sodium hydroxide, (continued) viride 8448.

vinde 8448.
pretreatment, bagasse, cellulase production, Trichoderma reesei 8449.
pretreatment, cotton, biodegradation, carbohydrate-degrading bacteria, rumen
microorgamsms 1062.
pretreatment, sheep, rumen microorganisms, digestibility, Gossypium hirsutum crop

recidines 5633

pretreatment, sheep, rumen microorganisms, digestibility, Gossypium hirsutum crop residues 5634.

Sodium hypochlorite,

Bacıllus subtilis spores resistance 5177

Bacinus subrius sportes resistance 5177.
decontammatton, skin tissue culture, Staphylococcus aureus, Pseudomonas aeruginosa, Candida albicans 8092.
detoxification, aflatoxin B1, mutagemcity, toxicity 278.
disinfection, hand, man 816.

disinfection, hand, man 816.

Sodium lauryl sulfate,
inhibition, bacteria, coal, waste water, drainage systems 8713.

Sodium metablisulfite,
ferrous sulfate, sodium pyruvate, subsp.jejuni, effects on, Campylobacter fetus
subsp.jejuni, morphology, mobility, viability 9974.

Sodium molybdate,
Azotobacter, effects on nitrogen fixation 3233.

Sodium nitrite,

sensors, use. Nitrobacter immobilized cells, oxygen electrodes 5430. use. Salmonella growth inhibition, meat products 3838.

Sodium orthophenylphenata, antifungal activity, oranges green mold, comparison, thiabendazole, CGA-64251 1319.

Sodium pentachlorophenate,

control, sap stain, wood storage, Liriodendron tulipifera, Pinus 9529.

Sodium phytate, mouthwashes, effects on dental plaque formation, man 8989.

Botryodiplodia theobromae, life cycle, Dioscorea 5791 citrus sinensis, association pectinolytic enzymes, Aspergillus aculeatus, Botryodiplodia theobromae 3965.

Botryodiplodia theobromae 3965.
Erwinia carotovora, pathogenicity, storage, culture collections 2239.
Erwinia carotovora, pectinolytic enzymes, oxygen effects on, potatoes 5033.
Erwinia carotovora subsp.carotovora, pathology, Lactuca sativa 9384.
Erwinia, tubers, Solanum tuberosum 6809.
Pseudomonas, Cactaceaea 1291.
Pseudomonas marginalis, post-harvest decay, tomatoes, storage conditions 9453.
Thielaviopsis paradoxa, Citrus medica, factors affecting enzymes 5738.
tubers, Solanum tuberosum 5752.
Softwoods,

comparison, lignocellulose biodegradation, Coriolus versicolor 170. Soll,

oil, acetylene reduction, conversion factors, comparison, nitrogen fixation, water content nitrogenase activity, effects on 7005. acciffication, inhibition Verticillium dahliae, root rot, Datura stramonium 6837. acciffication, nitrogen mineralization, forests, mathematical models 4138.

Actinomadura ecological distribution, antibiotics, antagonism gram-positive bacteria 1487

datceria 1467
Actinomadura incidence, USSR 5923.
Alcaligenes, dentirfication, hydroxylamine, pyruvic oxime, nitric-oxide reductase, nitrate reductase 596.

accargeries, belimination, hydroxyamine, pytokic oxinie, intincibular reductase, nitrate reductase 596
anaerobic bacteria, catalase activity, crop rotation, fertilization, USA 2382, analysis, nitrate reduction, nitritoe reduction, nitritoe reduction, nitritoe eduction, nitritoe assures 5864.
Aspergillus, nitrification, nitrogen sources 9584.
ASP, biomass, soil microorganisms, measuring techniques 6939.
ATP indicators, biomass, soil microorganisms, seasuring techniques 6939.
ATP indicators, biomass, soil microorganisms 5100.
ATP levels, soil treatment effects on 565.
Azotobacter, potassium, nutrient sources 7823.
bactena biomass, agricultural practices, meadows 9534.
bacteria biomass, agricultural practices, meadows 9534.
bacteria, colony-forming cells, growth, multiplication, mathematical models 2345.
bacteria, accompanisms, uSSR 2361.
bacteria, species diversity, Pahokee muck, community structure, population density, respiration, enzymatic activity, environmental conditions, ecological distribution 5912.

distribution 5912.

bacteria, straw biodegradation, phytotoxicity 8419.
bacteria, 2.4-D biodegradation, gliucose stimulation 7809.
Basidiomycetes mycelia growth, association, plants 1478.
Beauveria bassiana, clays, coatings, role, survival 7816.
biodingi, extracellular enzymes, activity, soil microorganisms 2344.
biochemical characteristics, microorganisms activity, grasses cover, slope exposure, erosion relationship 7826.
Botrytis cinerea sclerotia, isolation methodology 9568.
Brazil, Bacillus role nitrogen fixation 5961.
Calluna vulgaris heaths, fatty acids isolation, identification, phytotoxicity, antifungal activity 5929.

Brazili, bedeilus füter hausgeril usubin 1991.

Calluna vulgaris heatits, fatty acids isolation, identification, phytotoxicity, antifungal activity 5929.

Calluna vulgaris heatits, microorganisms biodegradation production fatty acids, antifungal activity, seasonal variations 5930.

Carbon dioxide release, relationship, microorganisms biomass measurement 1969. catalase immobilization, factors affecting 4226.

catalase interests, temperature effects on 3201.

catalase, proteolytic enzymes effects on 3201.

catalase, proteolytic enzymes effects on 3201.

Cephalosporium gramineum, effects on, Triticum, straw, biodegradation 8451.

Cephaliophora navicularis sp.nov, predation, Adineta 9545.

Cephaliophorium gramineum, effects on, Triticum, straw, biodegradation 8451.

Chionochloa rigida grasslands, assays, β-D-fructofuranosidase, amylase, pH effects on, New Zealand 9565.

Chionochloa rigida grasslands, assays, amylase, β-D-fructofuranosidase, buffers, New Zealand 9564.

Chromobacterium isolation, food, water 2041.

Colletorichum faicatum, conidia survival 4198.

Contamination, 2,4,5-trichlorophenyl acetate, biodegradation, Pseudomonas cepacia 4750.

4750.

2,4-D, degradation, mineralization, carbon dioxide, formation, bacteria 5909. denitrification, nitrate source effects on 2375. denitrification, nitrous oxide measuring techniques, temperature association 612. denitrification, nitrous oxide measuring techniques, temperature association 612. denitrification, relationship carbon sources 613. denitrifying bacteria activity, measuring techniques, relationship, acetylene levels 8689.

Soli, (continued)
denitrifying bacteria, urine effects on nitrogen balance 2371.
dieback, disease control, plants soil mixtures 4925.
disinfection, association, vegetables contamination, bacteria 3253.
distribution, Azotobacter chrococcoum 5344.
dying, slorage conditions, soil microorganisms, species diversity 5856.
Ensiter adhaerens, predatory behavior, characterization, use, phages, monitoring Soil, (continued) California, montane environments 9566.
organic matter, association, vesicultar-arbuscular mycorrhizas growth 7810.
organic matter formation, rolle, soil microorganisms 1491.
organic matter furnover, bacteria 5096.
Oryza sativa irrigated areas, survival, Colletotrichum gloeosporioides
1.50, aeschynomene 1189.
paddy fields, nitrogen fixation, pesticides effects on, heterotrophic bacteria
619. California, montane environments 9566. nontron carbinity, acid-base regulation of acid-certization, use, phages, monitor enzymatic activity, acid-base regulation 3203.

enzymatic activity, extraction 4215.

enzymatic activity, extraction 4215.

enzymatic activity, storage of acid-certification of acidparathion hydrolysis, role, Bacillus, Arthrobacter 160. peratinion hydrolysis, role, sealius, Amtrobacter 160.
parathion hydrolysis, role, soil microorganisms 155.
pasture, Pythium splendens suppression, germination, growth 9551.
periachiorophenol biodegradation, Arthrobacter 2891.
persistence, Bacillus thuringiensis spores, biological control, Insecta 1007.
persistence, Bacillus thuringiensis spores, biological control, insecta 1007.
persistence, Bacillus thuringiensis spores, biological control, insecta 1007.
persistence, and the production of the persistence of the persist matus 7/36. Phosphate solubilization, phosphate-dissolving bacteria, Aspergillus niger 3214, phosphates content, relationship, microorganisms phosphates solubilization 4195, phosphonates, New Zealand, relationship, bacteria 1469. physicochemical properties, effects on phosphatase activity, soil microorganisms 5089. Phytophthora cinnamomi chlamydospores survival, infection, Lupinus angustifolius 5693 mycailla, cinamycuspores 140.
forests, fung, abundance, species composition 3160.
forests, nitrogen mineralization 523.
forests, suffoquinovose sulfur mineralization, soil microorganisms, USA, North
Carolina 6904. Phytophthora cinnamomi distribution, bioassays, association plant diseases 539. Phytophthora cinnamomi, media (selective), bioassays, Abies frasen seedlings, Rhododendron obtusum leaves 324. Phytophthora megasperma f.sp.glycinea, isolation methodology, association, Pythium contamination 589 Caronina 6904.

freezing ± drying, effects on soil microorganisms 579.

fumigation, disease control, corfly root, Lycopersicon esculentum 1264.

fumigation effects on maize chlorotic mottle virus inodence 2116.

fumigation, Fusanum oxysporum / sp.medonis invasion 5898.

fumigation, methyl bromide, effects on mycorrhizas, Vitis vinifera, relationship,

stant 5897. Pythium contamination 589

Picea forests, sulfite conversion, soil microorganisms 6903.

Picea forests, sulfite conversion, soil microorganisms 6903.

Pinus leucodermis forests, Basidiomycetes, new records, Yugoslavia 7778.

plants lignin biodegradation, carbon, incorporation 5599.

pollutanis, microorganisms metabolites, phytotoxicity, Cucumis sativa 4193.

population dynamics, microorganisms, soil analysis, methodology 4224.

production, antibiotics, Streptomyces, reviews 4403.

Protuzoa, interaction, bacteria 552.

Pseudomonas aeruginosa, cell death, characterization 2353.

Pseudomonas aeruginosa, cell death, characterization 2353.

Pseudomonas aeruginosa, cell death, characterization 614.

Pseudomonas paucimobilis, growth, nutrition, ATP production, relationship, nitrogen levels 4218. tumigation, rusantum oxysportum risp.meronis invasion sosso. tumigation, methyl bromde, effects on mycorrhizas, Vitis vinifera, relations stunt 5987. fungal flora, osmotic stability, surveys, Syria 7817. fungi, benodanil, media (selective) 1404. fungi, Beta vulgaris, crop rotation, insecticides, herbicides, effects on 618. fungi, herbicides effects on 8707. fungi, m 6905 mycorrhizas, nutrient cycles, stands, Pseudotsuga menziesii, USA, Oregon tungi, nutrient cycles, ecosystem analysis 5889.
fungi, phosphate solubilization, carbon sources 9533.
fungistasis, bactenostasis 3179.
fungistasis, nutrient availability, germination, Macrophomina phaseolina
sclerotia, Thielaviopsis basicola chlamydospores, Cochliobolus victoriae conidia nitrogen levels 4218.
Pseudomonas solanacearum, vertical distribution, wilt, Lycopersicon esculentum Pseudomonas syringae pv.lachrymans survival, association, pathogenicity, Cucumis sativus 9574. reactors, nitrification, Nitrosomonas europaea, Nitrobacter agilis 2357. reactors, nitrification, Pinus ponderosa 9518. 9572 Fusarium crookwellense sp.nov., ecological distribution 3204. Fusarium, media (isolation) 3184. Gaeumannomyces graminis suppression, effects on phytopathogenic fungi infection, seriolico.

Georgia de la companio del companio del companio de la companio del c Gaeumannomyces graminis suppression, effects on phytopathogenic fungi infinavana 3205.

Gaeumannomyces graminis suppression, effects on phytopathogenic fungi Gaeumannomyces graminis var tritic, crops effects on survival 3954.

Germany, Fed. Rep., keratinophilic fungi, incidence 3185.

grasslands, intropen cycle, fertilization 9614.

greenhouses, source, dispersal, Pythium, Rhizoctonia solani 3898.

guanine, adenine, cytosine, thymine, uracil, biodegradation 5890.

heat treatments, Pseudomonas maltophilia, biodegradation, herbicides 5904.

hydrogenase, hydrogen, oxidation 5917.

improvement, association, Rhizobium triloili inoculation, Trifolium, British isles 6953. Rhizobium, enumeration, counting methods 610.
Rhizobium, salinity, effects on, growth, nitrogen fixation 597.
Rhizoctonia solam population levels, anastomosis, association, Arachis hypogaea, USA, Texas, USA, New Mexico 5094.
Saccharum officinale, rhizoplane microorganisms, Streptomyces, characterization saline environments, isolation, bacteria 3196 salt marshes, factors affecting dentification 2367. sampling methodology effects on acetylene reduction 7831. Sclerospora graminicola zoospores viability, infectivity 6954. seasonal variations, Rhizoctonia solani, isolation, plants 2097. Injurior teach, association, Phizobium trifoli inoculation, Trifolium, British imposensos, association, Phizobium trifoli inoculation, Trifolium, British imposensos, association, Phizobium trifoli inoculation, nitrogen sources, Zearmsy 4232; inoculum, Cylindrocladium crotalariae, black rot, spatial distribution, Arachis hypogeae 1123; iron, chelating agents, Boletus edulis extracts 9558; isolation, Laetisaria arvalis, media (selective) 4212; isolation, Laetisaria arvalis, media (selective) 4212; isolation, Eseudocerosporella herpotrichoides, spores, rainfall dispersal 5921; isolation, Streptomyces, antibiotics 3390. Japan, carbon dioxide gas production, temperature, dissolved organic carbon, effects on 8668. Leptomyxida, lysis, phagocytosis, Gaeumannomyces graminis var.tritici, Phytophthora cinnamomi, Cochilobolus sativus 563. location, Scientium ceprivorum sclerotia, association, viability 6972. Manihot utilissima, rhizosphere microorganisms metabolism 5918. media (isolation), Trichoderma, methodology 2711. milk biodegradation, microorganisms 163. minerals, association, sasociation, truga heterophylla, ectomycorrhizas symbiosis, relationship, survival 3164. mines+soil amendment, Agropyron trachycaulum, vesicular-arbuscular mycorrhizas symbiosis 4203. mulches, poly(ethylene) effects on Sclerotium oryzae sclerotia 1513. mycorrhizas, saprophytes, fertilizer applications effects on, nutrient deficiency, Pinus 7775. Micrococcus luteus, host-parasite interactions 9569. nematophagous fungi, Eire 4214. nitrate reduction, association, tillage, crop production (no-tillage), USA, Maryland, USA, West Virginia 9550. nitrification, celetylene persesure effects on 617. nitrification, relationship, soil amendment, animal wastes, ammonium sulfate 7834. seasonal variations, Rhizoctonia solani, isolation, plants 2097.
sediments, relationship, microorganisms membranes lipids 5104.
solar radiation, effects on sol-bone diseases, tungi 7754.
Streptomyces scabies, isolation 3192.
sulfate metabolism, forests ecosystems 5102.
suppression, plant diseases, diseases conferences 1818.
suppression, plant diseases, disease control, books 904.
surveys, cellulotytic microorganisms, fungal flora, Syria 7815.
surveys, thermophilic fungi, Syria 7816.
survival, Verticillium, phytopathogenic fungi 7807.
Sweden, heavy metals gradients, respiration, fungi population dynamics
biospacifies thionans. Beautifyibing sithy conversion, continuous culture Thiobacillus thioparus, Desulfovibrio, sulfur conversion, continuous culture 7793. 7793 tomato mosaic virus persistance, infection, Lycopersicon esculentum 1233. treatment, mycelia, organic matter, nitrogen mineralization 5949. tritium uptake, association, biological activity, USA 3209. tropical environment, incidence, sulfate-reducing bacteria 3178. trundra, human impact, motor vehicles, arylsulfatase activity, soil moisture, USA, Alaska 6951. urease activity 616. USA, North Carolina, Pseudomonas solanacearum survival, Lycopersicon esculentum wilt 8675. USA, Ohio, maize white line mosaic virus detection 1200. USSR, ammonification, bacteria 7808. USSR, rhizosphere microo, rhizoplane microorganisms, content, zinc, lead 2334.

nitrification, relationship, soil amendment, animal wastes, ammonium sulfate

7834, nitrogen balance, association crop production (no-fillage), Zea mays 6986, nitrogen content, measuring techniques, books, conferences 9098, conferences 9098, conferences 9098, nitrogen mineralization, Fagus forests, association, nitrifying bacteria, companies of the conference of the conferenc

nutrient cycles, decomposition, mathematical models, books 5448, nutrient cycles, mineralization, sulfur, nitrogen, soil microorganisms 6996, organic matter accretion, nutrient cycles, biological activity, mudflows, USA,

yeasts, isolation 5896. yeasts, media (isolation) 6348.

2334

yelasis, illetia (isolation) 60-90.
Soll aeration, spore germination, survival, Verticillium dahlae 6968.
Soll amendment,
animal wastes, ammonium sulfate, relationship, soil nitrification 7834.
calcium hydroxide, effects on nitrogen fixation, nodulation, Elaeagnus umbellata

2334
vesicular-arbuscular mycorrhizas, fumigants, fungicides effects on 622.
vesicular-arbuscular mycorrhizas, growth 5092.
vesicular-arbuscular mycorrhizas saprophagy, relationship, organic matter 8672.
volcanic ash, stabilization, microorganisms, biodegradation, straw, role 5091.
water, association, Gaeumannomyces gramlinis var, frifici take-ell, Triticum 491.
water potential, effects on, Phytophthora parasitica var.nicotianae, infection,
Nicotiana tabacum 9393.
water potential, growth, Pythium utimum, population dynamics 4228.
Xanthomonas campestris pv.campestris, media (isolation) 6309.
yeasts, algae, bacteria, Antarctica 1475.

Soil microorganisms, (continued) Soil amendment, (continued) carbon sources, soil denitrification 613. cartap effects on 3248. carbendazim, fluorometuron, curacron, effects on, soil microorganisms, fungi carbon, sodium chlonde, sodium carbonate, effects on enzymes activity, soil microorganisms 5927.
copper, bactencidal activity, Escherichia coli survival, soils (organic) 8708.
crop residues, organic matter decomposition, soil microorganisms, C/N ratios 5986. caves 1486 cellobiose mineralization 7812 ceiconose mineratizano 7012.
chemical poliution, benzane, biodegradation 6952.
cis-abienol conversion 133.
ciday, effects on vegetation, nitrogen cycle 603.
colonization, Cochilobolus sativus, condia, hyphae, fluorescence microscopy 5996.

diallyl disuffide, effects on, incidence, Sclerotium cepivorum sclerotia 1514.

effects on Rhizobium, nodulation, yield, Glycine max 9582.

manure, ferfilizers, soil microorganisms, enzymatic activity, redox potenfial, paddy fields, Oryza sativa 9623.

+mines soil, Agropyron trachycaulum, vesicular-arbuscular mycorrhizas symbiosis community composition, soil chemistry, soils (saline) 7819. community composition, soil properties 8663. crops, fungal flora, specificity 3181, crops, weather, effects on 5924. cuth biodegradation 5931. nitrate, effects on, Glomus mosseae symbiosis, Zea mays 4204. plants, humification 2324. cutiful buolegiaabuni 1997. cytolysis, yeasts 581. decomposition, Acer rubrum leaf litter, flooding, nutrient dynamics 4194. decomposition, catechol, chlorocatechol 6967. decomposition, crop residues, food processing solid wastes, land disposal. plants, humification 2324, revegetation, land reclamation, mines, vesicular-arbuscular mycorrhizas colonization roots, Agropyron trachycaulum 9542, sawdust, effects on population dynamics, Fusarium udum 3252, sawage sludge, effects on soil microorganisms, growth 5988, sewage sludge, effects on soil microorganisms, growth 5988, sewage sludge, teguminosae Rhitzoblum japonicum survival association 7832, shellfish wastes, stimulation orhitinolytic bacteria, biological control, soil-borne diseases, Gossypium hirsutum 7769, straw, effects on nitrogen fixation, hirsutum 7769, straw, effects on nitrogen fixation, disposphere, Zea mays 9598, strip mines, effects on, spores, vesicular-arbuscular mycorrhizas, ecomyorrhizas, association, Agropyron trachycaulum, Pioea glauca 1480, tannins, effects on, Pseudomonas solanacearum, Penicillium, respiration, glucose oxidation 593 decomposition, crop residues, food processing solid wastes, land disposal, reviews 5981.

decomposition, crop residues, Medicago littoralis, nitrogen sources, uptake, triticum aestivum 7001.

decomposition, industnal wastes, pharmaceuticals, land disposal, reviews 5984. decomposition, organic compounds, toxicants, land disposal, reviews 5977. decomposition, plant debris, leaching, Trifolium 566. decomposition, solid wastes, land disposal, reviews 5976. degradation, fungi melanins, solis (sodic) 2335. deathrication, fertilizers 3246. denufrication, nitrification, mineralization, agricultural practices, crop fields. Trifolium 680. oxidation 593
unne, urea, nitrogen fixation, Trifolium repens, pasture 3240.
waste water, agricultural practices, microbiology, bibliographies 2607. fields. Trifolium 8680 fields, Trifolium 6680
dentification, respiration, redox potential, flooded soils 6957.
dry separation, isolation methodology 1734,
ecological distribution, dunes stabilization, deserts, India 1473,
ecology, books 3635.
effects on, plants, yield, tropical environment, books 8181,
enterobacterin, effects on, soil properties 4256.
enzymatic activity, phosphaticyl choine, degradation, mineralization, nutrient sources, plants 5915.
enzymatic activity, roads salts, pollution effects 7801.
enzymatic activity, soil properties, environmental impact, recreation, forests 6892. waste water, agricultural practices, microbiology, bibliographies 2607.

Soll analysis, population dynamics, microorganisms, methodology 4224.

Soll characteriatica, pesticide residues, carbofuran, fonofos, effects on soil microorganisms 8705. Phymatorichum omnivorum, geographical distribution, limiting factors, environmental requirements 9557, soil moisture, thermophilic microorganisms, dehydrogenase activity, plant communities, deserts 9559. communities, deserts 9559.

Soll chemistry, agnoutural land, acidity, nitrogen fixation, Leguminosae 5956. agnoutural land, acidity, nitrogen fixation, Leguminosae 5956. mineralization, decomposition, soil properties, soil microorganisms 7819.

Soil compaction, effects on noduiation, nitrogen fixation, Glycine max 6999.

Soil depth, Dictyostelida, ecological distribution, forest floor 5849. soil microorganisms, environmental factors, relationship, Verticillium dahliae fungistasis 594.

Soil faune, association, Zea mays, bacteria, fungi 6941. posts.
enzymes activity, soil amendment, carbon, sodium chloride, sodium carbonate, effects on 5927.
enzymes activity, soil, storage effects on 5919.
enzymes activity, soil, storage effects on 5919.
ethylene production, novobiocin, cycloheximide, effects on 5907.
extracellular enzymes activity, binding soil 2344.
factors affecting nitrogen cycle, aquatic ecosystems, terrestrial ecosystems, conferences 908. conferences sub-forests, air pollution, sulfur dioxide effects on 5854. forests, biological activity, biodegradation, wood, Canada 6893. forests, canopies effects on nitrogen cycle 512. forests, population studies, spatial distribution, Tricholomopsis platyphylla effects on, rhizosphere microorganisms, coliforms 7798.
effects on, rhizosphere microorganisms, coliforms 7798.
relationship Laetisaria fucitormis infection, Lolium perenne 9357.
Soli flora,
fungl, forest floor, interspecific relationships, Oribatidae, reviews 5069.
Soli furnigation,
wheat mosaic virus infection, Triticum aestivum, effects on 9499.
Soli funglistalis,
benomyl, Secale cereale 5836.
Soli horizone,
Pagus forests aemoibic bacteria levels, seasonal variations 524.
Soli horizone,
Pagus forests aemoibic bacteria levels, seasonal variations 524.
Soli horizone,
Soli horizone,
Abies alba forests regeneration 534,
acetic acid decomposition, N.M.R. 8664.
Actinomycetes, antibiotics biosynthesis, screening, micromethods, radioactive iabelling tracers 9882,
activity, insecticides effects on 5970.
activity, soil moisture, organic matter, deserts 8665,
adenosine phosphoryfation ratio 4220.
agnicultural practices, mycotoxins, conferences 6368,
amino acids production, hydrocarbons utilization 7284,
association Glycine max, propachior effects on 7686.
ATP, biomass, soil, measuring techniques 6939,
bacteria, pollic acid biodegradation 7563,
bacteria, incidence, distribution, factors affecting 588,
bacteria, incidence, distribution, factors affecting 588,
bacteria, incidence, distribution, factors affecting 588,
bacteria, repopulation changes, Fagus sylvatica forests, clear cutting, Picea abies replacement 7779.
biodegradation, herbicides, MCPB 5971.
biodegradation, herbicides, molinate, soil types 5886.
biodegradation, herbicides, molinate, soil types 5886.
biodegradation, herbicides, molinate, soil types 5886.
biodegradation, herbicides, molinate, soil types 5886. association, Soli fertility, effects on, rhizosphere microorganisms, coliforms 7798, relationship Laetisaria fuciformis infection, Lolium perenne 9357, 1445 forests soil nitrogen mineralization 523. fungal flora, community composition, deserts, Kuwait 8673. fungal flora, seasonal variations, community composition, crop fields, Brassica campestris 9546. fungal flora, surveys 7814 fungal flora, surveys 7814.

tungi, growth, spore germination, ammonia, volatiles, effects on 2349.

fungi, isolation, use, media (culture)+validamycin 2709.

fungi, soil amendment, carbendazim, fluorometuron, curacron, effects on 2379.

glucose radioactive labelling, polysaccharides decomposition 1474.

Gramineae crop rotation effects on 623.

growth inhibition, propham, medinoterbactate 3249.

growth, soil amendment, sewage sludge effects on 5988.

habitat diversity 6960.

herbriddes effects on respiration 5975.

hydrocarbons gas production, soil moisture, pitrate effects on anaembic. herbicides effects on respiration 5975. hydrocarbons gas production, soil moisture, nitrate effects on, anaerobic conditions 9567. infectivity, roots, Trifolium repens 350. inhibition growth, Rhizobium, in vitro 6963. insecticides effects on enzymes activity, agricultural land 5969. leaf litter decomposition, analytical techniques 2351. leaf litter decomposition, nitrogen cycle 2362. leaf litter decomposition, nutrient availability, sulfur, acid rain, pollution litter decomposition. leaf little decomposition, nutrient availability, sulfur, acid rain, pollution effects 9507.

leaf letter, Pinus, methyl bromide, dazomet, effects on 3250. leaves decomposition, Eperua falcata, forests 1439. low temperature scanning electron microscopy 578. mecopyrop biodegradation 2878, mecopyrop biodegradation 2878, mecopyrop biodegradation, soli properties 8697. micrositation, bogs, particle size, peat, nitrogen, nutrient levels 8697. micrositation, sulfur, introgen, nutrient cycles, soil 6996. naticate mineralization, sulfur, introgen, nutrient cycles, soil 6996. naticate mineralization, springen, nutrient cycles 8684, nitridication, serious proposition of the serious 8684, nitridication, ammonification, mibition, carbon disultide.

4.-amino 1,2.4.-frazole hydrochloride, 2-chloro-6-(trichloromethyl)-pyridine 9624. nitrification, biomass, nitrogen sources, urea, fertilizer applications 5998. nitrogen cycle, cellulose decomposition, propham+medinoterbacetate effects on 7012. soils 9620.

biodegradation, herbicides, MCPB 5971.
biodegradation, herbicides, molinate, soil types 5886.
biodegradation, industrial wastes, land disposal, books 6360.
biodegradation, industrial wastes, loil and gas industry, land disposal, petroleum 5983.
biodegradation, mineralization, phenmedipham, Pseudomonas 5926.
biodegradation, nitrofen pesticide residues, persistence, mobility, soil characteristics, Canada 8704. 7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

7012.

70 characteristics, canada 6704.

biodegradation, phenmedipham, soil pH effects on mineralization 5928.

biodegradation, wood preservatives, land disposal, reviews 5985.

biogeochemistry, specias diversity, bacteria, fungi, USSR 2347.

biomass, activity, agricultural land 8682.

biomass, ATP indicators, soil 5100.

biomass degradation, mineralization 2340.

biomass degradation, mineralization 2340. biomass orgaladation, mineralization 2340, biomass organization, mineralization 2340, biomass enzymatic activity, biomass, aquicultural practices effects on 5980, biomass labelling, degradation, nitrogen cycle 2339, biomass, phosphorus, measuring techniques 572, biomass, respiration, measuring techniques 8666, cadmium uptake 1489, carbon biodegradation, soils (volcanic) 159. organic matter decomposition, antibiotics effects on 5922

Soll microorganiams, (continued)
organic matter decomposition, crop residues 2325.
organic matter, decomposition, fertilizers effects on 5979.
organic matter decomposition, C/N ratios, soil amendment, crop residues 5986.
organic matter decomposition, tropical environment 4186.
oxygen consumption, electron transport, measuring techniques 1494. bayear consumption, electron transport, measuring techniques 1494. parathion hydrolysis, soil 155. pentachlorophenol effects on electron transport 2378. pesticide applications, chemical control, soil characteristics, carbofuran, fondris 8705. pesticide applications, chemical control, soil characteristics, carbofuran, tonofos 8705.

pesticides biodegradation, mathematical models 161.

pesticides, toxicify, Azotobacter 4253.

Phalaris aquatica decomposition, phosphorus macromolecules levels 573.

phosphatase activity, soil physicochemical properties effects on 5089.

phosphates biomass, measuring techniques 567.

N-(phosphonomethyl) glycine effects on, respiration, populations 620.

phytotoxins production 2346.

population drynamics, mounds, Isoptera, Kenya 8669.

population levels, biomass, biological activity, tropical environment 7824.

population levels, luman impact trampling, forests 4133.

population levels, luman impact trampling, forests 4133.

population levels, lash and burn 9622.

protentase, urease, phosphatase, knetice 2343.

redox potential, enzymatic activity, soil amendment, manure, fertilizers, paddy fields, Oryza sativa 9623.

regulation, biogeochemistry, nitrogen cycle, agricultural ecosystems 3221.

respiration, biomass, perfoleum sand 5916.

respiration, biomass, perfoleum sand 5916.

respiration, introgen fixation, pollution effects, 2.4-D, pesticide residues 9621.

respiration, progeochemistry, nitrogen cycle, agricultural ecosystems 3221.

respiration, nitrogen fixation, pollution effects, 2.4-D, pesticide residues 9621. 9621.
respiration, Parastacoides tasmanicus burrows effects on, peatlands 7803. respiration, pesticides, herbicides, effects on 5908. respiration, pesticides, herbicides, effects on 5908. respiration, seasonal variations, crop fields, soils (organic) 3191. respiration, seasonal variations, deserts 6964. respiration, soil moisture, soil temperature effects on 3206. respiration, soil properties, remote sensing, tundra 5885. respiration, soil properties, remote sensing, tundra 5885. respiration, 2-methyl-4-chlorophenoxybutryric acid, disulfotun, effect on 5974. Phizobium japonicum antagonists 576. role, organic matter formation, soil 1491. salt marshes soil dentification, factors affecting 2367. soil depth, environmental factors, relationship, Verticillium dahliae fungistasis 584. Soil depth; ethyltorinerial ractors, relationship, verbollitum datilises turigistasses 584.

soil, freezing± drying effects on 579.

soils (loam), biochemical characteristics, wetlands, pasture 2337.

Spain, Ascomycotes, check lists 3202.

Spain, Ascomycotes, check lists 3202.

spains diversity, drying, forests, storage conditions 5856.

sufficiency soil interest soil 6903.

suffocial convoises suffer interestization, forests soil, USA, North Carolina 6904.

temperature adaptability, effects on, carbon dioxide, production 577.

temperature, humidity, effects on, carbon dioxide, production 577.

temperature, humidity, effects on, carbon dioxide, production 577.

temperature, humidity, effects on, carbon dioxide, production 577.

Transoliphina sulphurtransferase activity, humis, forest floor 7777.

Trifolium repens, Phizocioum trifoli, lactors affecting competitiveness 611.

tundra peat, freeze-thawing effects on 550.

ureas hydrolysis, aerociou conditions, anaerobic conditions 5109.

ureas activity, soil 616.

viability, acid rain± cadmium, ± zinc pollution effects 9509.

Soil moleture, submorting flores on contamination, Aspergillus flaevus, aflatoxins 29

Associations contamination, Aspergillus flaevus, aflatoxins 29

Associations contamination, Aspergillus flaevus, aflatoxins 29 584

oli molekture,
Arachis hypogeae, effects on contamination, Aspergillus flavus, aflatoxins 2988.
association, clubroot pathogenicity, Raphanus sativus 6815.
biodegradation, herbicides, molinats, soil types 5886.
dentiffication, mathematical models 5960.
effects on, disease resistance, Medicago sativa, wilt, Fusarium oxysporum
1.sp.medicaginis 4097.
effects on endormycorrhizas infection roots, Juglans nigra 6900.
effects on enzymatic activity 4229.
effects on enzymatic activity 4229.
effects on, growth, Monosporascus eutypoides, infection, Cucumis melo 5758.
effects on Rhizootomia paonicum survival 2342.
effects on Rhizootomia solani infection, Oryza sativa seedlings 4965.
effects on soil microorganisms, hydrocarbons gas production, anaerobic conditions
9567.

9567

9567.
hydrogen oxidation, hydrogenase 5917.
trigation, Rhizobium japonicum nitrogen fixation, yield, Glycine max 6993.
Pseudomonas solanacearum survival 9575.
saprophytes, competition, suppression, antagonism, Fusarium udum 5694.
soli characteristics, thermophilic microorganisms, dehydrogenase activity, plant communities, deserts 9559.
soli microorganisms activity, deserts 8665.
soli microorganisms, respiration, pasture 3183.
tundra soli, human impact, motor vehicles, USA, Alaska 6951.
Soli nutrients,
sulfur deficiency, Medicago sativa, relationship infection, Cylindrocarpon gracile, Fusarium roseum 7658.
Soll pH,
acidity, effects on Trifolium repens, +Rhizobium trifolii symblosis, measuring

acidity, effects on Trifolium repens, +Rhizobium trifolii symbiosis, measuring

cidity, effects on Trifolium repens, +Rhizobium trifoli symbiosis, measuring techniques 4235.
association, mycorrhizas inoculation, Vaccinium corymbosum 475. effects on Corynebacterium populations, relationship, Fusarium oxysporum f. sp.apii, yellows, Apium graveolens var.dulce 5748. effects on growth, nodulation, Alrus glutinosa 555. effects on mycorrhizas, association Adelges, Boreita reticulata 1472. effects on pathogenicity, nutrient availability, Gaeumannomyces graminis var.tritici, take-ali, Trificum aestivum 3013. effects on Phytophthora cinnamomi sporangia formation, zoospores release, infectivity, Rhododendron 3994. effects on Sclerotinia minor sclerotia germination 4937. nitrous oxide reduction, soil properties, redox potential, soil pH 8703. phenmedipham mineralization, effects on 5928. saprophytes, competition, suppression, antagonism, Fusarium udum 5694. soil properties, nitrous oxide dentifrication 8703. Xanthomonas oryzae, wilt, Oryza sativa 8545.

heavy metals effects on ammonification, nitrification, nitrifying bacteria 4238, metals, association, tolerance, bacteria 6980.

Soll profiles,

vertical distribution, soil microorganisms 2350.

Soil profiles,
vertical distribution, soil microorganisms 2350.

Soil properties,
ATP levels, measuring techniques 586
biodegradation, herbicides, molimate, soil types 5886,
biodegradation, oliwaste disposal 7020,
decomposition, soil chemistry mineralization 574,
effects on growth, mycorrhizas, Pseudoisuga menziesiii, Tsuga heterophylla 520,
enterobacterin, effects on, soil microorganisms 4256,
enterobacterin, effects on, soil microorganisms 4256,
entrymatic activity, tundra 5884,
forests, ohosphorus mineralization, measuring techniques 521,
fungistasis, rhizosphere, Cajanus capan, Lathyrus sativus 558,
grasslands, dentifrication, tertilizer applications, dentifrying bacteria 8687,
humus, pollution, effects on, lead, enzymatic activy, meabolism 2326,
nitrate levels, seasonal variations, agricultural practices 8641,
recreation, environmental impact, forests 6892,
recreation, environmental impact, forests 6892,
recreation, environmental impact, forests 6893,
respiration, durinal vanations, tropical environment, forests, pasture 1493,
respiration, seasonal vanations, grasslands, tropical environment 561,
seedings, growth, mycorrhizas formation 522,
sewage studge, effects on, books, conferences 8188,
soil microorganisms, community composition 8683,
soil microorganisms, community composition 8687,
tillage, effects on, microorganisms, biomass, carbon, nitrogen, mineralization,
2359,
Triticum, effects on rhizosphere microorganisms 7797,
vescular-advuscular mocompanisms on the programmen of the programmen o

Triticum, effects on rhizosphere microorganisms 7797. vesicular-arbuscular mycorrhizas, habitat, ecological distribution 570.

veisicular-amuscular mycormizas, habitat, ecological distribution 570.

Soli salinity,
association, Allium cepa nutrient uptake, role, endomycorrhizas 7804.
effects on enzymatic activity 4229.

Soli solarization,
integrated control, soil-borne diseases, Rhizoctonia solani, Sclerotium rolfsii,
Indaceae 7768.

Iridaceae 7768.
Soll temperature,
actinorrhizas, effects on nitrogen fixation, nodules, Ceanothus velutinus 9513.
Arachis hypogeae, effects on contamination, Aspergillus flavus, aflatoxins 2988.
association, clubroot pathogenicity, Raphanus sativus 6815.
dentrification, mathematical models 5960.
effects on, not rol, Phytophihora cinnamomi, Abies frasen 5872.
Glycine max, effects on vesicular-arbuscular mycorrhizas 2332.
permethrin biodegradation, soil microorganisms 9531.
saprophytes, competition, suppression, antagonism, Fusarium udum 5694.
soil microorganisms, respiration, pasture 3183.
soilar radiation, effects on, Fusarium oxysportum f.sp.vasinfectum, wilt, Gossypium barbadense, Gossypium hirsutum, yield 8066.
vertical distribution, iron-oxidizing bactena levels, reclaimed land, coal mines

9561

9561.

Soll types, biodegradation, herbicides, MCPB 5971, biodegradation, herbicides, MCPB 5971, biodegradation, herbicides, soil properties, pathway 5886, phosphate adsorption, humus complex, actinomycetes, fungi, fertilization, agricultural land 9625.

Soll-borne diseases, Soll-borne diseases, agnicultural practices, reviews 7648. Beta evulgans, beet necrotic yellow vein virus vectors, Polymyxa betae ultrastructure 363. biological control, shellfish wastes, soil amendment, stimulation chitinolytic bacteria. Gossypium hirsutum 7769. Botrytis allii rot, inoculum persistance, Allium cepa 2220. control, Rhizoctonia solani, antifungal agents USA, association, manure applications 323.

applications 323. disease control, trees, silviculture 2317.

disease control, trees, stiviculture 2317.
disease resistance, genetic analysis, crop plants 6850.
fungi, soil solar radiation effects on 7754.
Fusarium culmorum infection, Triticum seedlings, water potential effects on
pathogenicity 1149.
Fusarium moniliforme, virulence, parasexual cycle 6854.
inhibition, bark composts, plants 3122.
Integrated control, Trichoderma harzianum bulbs treatment, soil solarization,
Indaceae 7768.

Iridaceae 7768.

Macrophomina phaseolina, Pythium aphanidermatum, Rhizoctonia solani, pathogenicity, Euphorbia lathyris 5002.

phytopathogenic fungi, disease resistance, genetic analysis, crop plants 6852. plant diseases, biological control 9472.

Pythium, Gossypium hirsutum seedlings 1266.

Triticum aestirum, wheat mosaic virus vectors, Polymyxa graminis ultrastructure

363.

denitrifying bacteria incidence, identification, Hordeum vulgare cultivation

6956.
Rhizobium inoculation, Medicago sativa, Lotus corniculatus nodulation 5128.

Soils (acid), forests, denitrification measurements 7844.

Interest, definitional interestiments 7044; intrification, Confierales forests, Nitrobacter 1446. Cryza sativa yield, Bacillus firmus indole-3-acetic acid biosynthesis, India 4225. Rhizobium japonicum antibiotic resistance isolates, Glycine max nodules 651.

Soils (acidic), survival, Rhizobium phaseoli 3197.

SUTIVIES, Philocological Presentations, soil microorganisms, pasture, wetlands 2337. enzymes, biochemical characteristics 562. soil microorganisms, abattoirs, industrial effluents effects on 2381. sterilization, storage, effects on soil microorganisms, bacteria, respiration, nitrogen content 6977.

Triticum, fertilizers (slow release) effects on, nitrification, uptake, yield

Solls (organic), copper soil amendment, bactericidal activity, Escherichia coli survival 8708.

Solanum tuberosum, (continued)
pesticide residues, chlorothalonii deposition, mathematical models 1408.
Phytophthora infestans bight, disease control, metalaxyl 9494.
Phytophthora infestans infection, leaves susceptibility 1228.
Phytophthora infestans infection, metalaxyl resistance, Netherlands 6795.
Phytophthora infestans infection, metalaxyl sensitivity 504.
post-harvest decay, Erwinia chrysanthemi, storage effects on disease resistance Soils (organic), (continued) peroxidase activity, fungi, oxidation humic acids 5925, pesticides effects on β -D-fructofuranosidase, α -amylase, ATP activity 3247.
soil microorganisms, nutrient balance, forests 9514,
soil microorganisms respiration, crop fields, seasonal variations 3191
Soils (podzolic),
Actinomadura, distribution, USSR 1492.
effects on, Phytophthora cinnamomi, zoospores, pathogenesis, dieback, Banksia
grandis 5850. potato leaf roll virus infection, 2,4-dioxohexahydro-1,3,5-triazine+guanidine potato leaf roll virus infection, 2,4-dioxohexanydro-1,3,5-mazine+guanione antiviral activity 6886.
potato leaf roll virus infectivity, refrigeration, freezing effects on 9422.
potato leaf roll virus infoculation, time, effects on, pathogenesis 3084,
potato spindle tuber viroid infection, epidemiology, Australia 5781.
potato virus S infection, Canada 4017.
potato virus S infection, disease spread, detection 2158.
potato virus X, potato virus S, infection, ribavirin, treatment 8581.
potato virus Y infection, disease spread, control, use, minerals olls sprays
1243. Solis (saline),
India, Azospirillum nitrogen fixation 7840.
Medicago sativa, nutrient uptake, Rhizobium meliloti inoculation effects on 7842.
soil microorganisms, community composition, soil chemistry 7819. Solia (sandy), organic compounds, Arachis hypogaea shells composts effects on soil microorganisms 5133, septic tanks association, survival, Salmonella adelaide, coliforms 1693 protoplasts, response, Phytophthora infestans, hyphae, cell walls, components Soils (sodic) Soits (sodic), soil microorganisms degradation, melanins, fungi 2335.

Soils (volcanic), carbon biodegradation, soil microorganisms 159.

Solanacese, host range, Hungarian Datura innoxia mosaic virus infection 3077. witt, Pseudomonas solanacearum infection, host range 2232. 30/8

30/8

Pseudomonas solanacearum infection, factors affecting disease resistance 3107.

Rhizobacterium, inoculation, effects on, Enwinia carotovora, infectivity 3061.

Rhizoctona solan infection, antagonism 9429.

Rhizoctonia solan infection, factors affecting disease spread 6789.

rhizosphere microorganisms, witt, Verticilium albo-atrum, Solanum tuberosum, insecticides effects on 1512.

× Solanum gourlayi, disease resistance, potato virus M 2247.

stem canker, black scurf, Phizoctonia solani, disease control, iprodione, benodanii, thiabendazole 5055.

storace conditions effects on Alternaria solani, infection 4007. Solanum, potato virus, etiology, purification, characterization 3071. Pseudomonas solanacearum infection, disease resistance 2269. Pseudomonas solinacearum infection, disease resistance 2269.

Solanum quortayi,

× Solanum tuberosum, disease resistance, potato virus M 2247.

Solanum melongena,
callus culture, Mycoplasma infection 1302.
carlavirus infection, host range 408.
cultivars companson, disease resistance, Verticillium dahliae wilt 6853.
grey mold, Botrytis cinerea, dicarboximides resistance, greenhouses 6884.
isolates, tomato bushy stunt virus like viruses, identification 6858.
mixed infection, Meloidogyne incognita+Rhizoctonia bataticola, effects on growth 4992. benduami, interefloazoie 5035.
storage conditions, effects on, Atternaria solani, infection 4007.
susceptibility, rot, Erwinia carotovora subsp.carotovora, temperature, wound healing 3062.
temperature, rolative humidity, effects on, Atternaria solani, infection, wound healing 4003. tobacco streak virus isolation, characterization, host range 1290 todacco streak virus soliation, criaracterization, institunge 1250.
transmission (seed), Andean potato latent virus, potato virus T, arracacha virus
B, tobacco ringspot virus, symptoms 406.
tubers, hypersensitive response, sesquiterpenoids, alkaloids, Phytophthora
infestans 3089 4992.
pepper veinal mottle virus infection, characterization 2159.
root rot, fungicides disease control 6872.
tobacco mosaic virus infection, magnesium effects on susceptibility 3033.
+ Verticillium dahiae infection, plant extracts, antifungal activity,
Cladosporium cucumennum 6877.
Verticillium wiit, mulches effects on pathogenicity, yield 476.
wiit, Verticillium dahliae, biological control, Talaromyces flavus 1390. unustans 309
tubers, infectione, potato virus Y, potato leaf roll virus, USA 1245.
tubers, infection, potato mop-top virus 2173.
tubers, infection, potato mop-top virus 2173.
tubers, encencials solation, Phoma exigua var.foveata infection 3974.
tubers, metalaxyl accumulation, antifungal activity, Phytophthora infestans 428.
tubers, potatolaxins induction, arachidonic acid, infection, Phytophthora infestans 428.
tubers, potato leaf roll virus detaction, enzyme_linked_immunocorbont seem 200. Solanum phureja, disease resistance, Pseudomonas solanacearaum infection, temperature effects on 434. Intersarts 42.0. Libers, potato leaf roll virus detection, enzyme-linked immunosorbent assay 9404. tubers, sesquiterpenes induction, alternaric acid, Alternaria solani 5051. tubers, soft not 5752. disease resistance, Pseudomonas solanacearaum imecton, temperature enects 434.

Solanum terrestris, association Hydrangea macrophylla, tomato spotted wilt virus detection 5016.

Solenum tuberozale solar s Lubers, soft not, Erwinia 6809. Lubers, tobacco rattle virus, detection, enzyme-linked immunosorbent assay, hybridization analysis 6808. Lubers ultrastructure, Phytophthora infestans mycelia lipoglycoproteins effects nn 2257 wart disease, epidemiology, pathogenesis, Synchytrium endobioticum 8535. wilt, rhizosphere microorganisms, Solanum tuberosum, insecticides effects on wilt, Verticillium dahliae, proteins lipopolysaccharides complex characterization pied, blight, Phytophthora infestans, effects on 6822, yield, fing rot+potato virus S, potato virus X, infection, effects on 1230. Solanum tuberosum subsp.andigena, disease resistance, rot, Erwinia chrysanthemi 3132. disease resistance, rot, Erwinia chrysanthemi 3132.

Solar eclipse,
Rhizobium, Azotobacter, effects on nitrogen cycle 2370.

Solar radiation,
effects on Leguminosae, Rhizobium nitrogen fixation, growth 5115.
tungi vability, plants pathogens, solar radiation 4919.
soli, effects on soil-borne diseases, fungi 7729.
soli temperature, effects on, Fusanium oxysporum f.sp. vasinfectum, wilt, disease resistance, late blight, Phytophthora infestans, adaptability 8621, disease resistance, Verticillium dahliae, bioassays, detection, tissues 9083 early blight, Alternaria solani, biological control, Streptomyces longisporus disease resistance, Verticillium dahilae, bioassays, detection, tissues 9083.
early blight, Alternaria solani, biological control, Streptomyces longisporus
antagonism 4105.
Proposition of the proposit Gossypium barbadense, Gossypium hirsutum, yield 8606. Solenopsis Invicta, pest control, reproduction inhibition, avermectin 1964. Solid phase methods, olid pnase methods, bactena suspension culture density 4501. enzyme immunoassay, Staphylococcus aureus protein A, urine albumin 5397. immunoassay, use, detection, hepatitis B surface antigen antibodies 4470. radioimmunoassay, detection, Mycoplasma pneumoniae antibodies 9870. radioimmunoassay, hepatitis B surface antigen, factors affecting 821. radioimmunoassay, soybean mosaic virus detection, Glycine max seeds 5368. Solid wastes,
Solid wastes,
activated sludge, methanogenesis, digestion (anaerobic) 1692.
composting, urban environments, biological activity effects on microflora
evolution 8942. evolution 8942.
digestion (anaerobic), technology, reviews 9801.
food processing, soil microorganisms decomposition, land disposal, reviews 5981.
land disposal, soil microorganisms decomposition, reviews 5976.
sulfur oxidation, microorganisms 3471.
Solid-phase methods,
fermentation, fungi cultures, sawdust, straw 8444.
Solubility,
oxyletracycline, crystals 1636. oxytetracyclin Solubilization, methodology, yeasts, β-D-galactosidase release 103. uranium, Thiobacillus terrooxidans 7864. Solutes, uptake, Escherichia coli, association, growth, measuring techniques equipment 9885 Solvents, hydrocarbons, Pseudomonas 9632, production, Clostridium beijerinckii, continuous culture 9215. spectrophotometry, methodology, viruses, proteins 8108. Somalla, membrane potential, Phytophthora infestans cell walls extracts effects on 3053. metalaxyl resistance Phytophthora infestans incidence, infectivity, Israel 6798. nucleic acids metabolism, potato virus X infection effects on 2167. nutritional status, Phytophthora infestans infection, sporulation 6801. pesticide residues, chiorothalonii deposition, mathematical models 1407.

Zea mays downy mildew, Sclerospora sorghi infection 381

antifungal activity, oranges green mold, comparison, thiabendazole, sodium orthophenylphenate 1319.

Sonax,

Sonchus oleraceus,

phloem, beet yellow stunt virus detection, pathogenesis 4036. Sonication,

activated sludge, effects on particles size 1702

Escherichia coli, enterotoxins, enzyme-linked immunosorbent assay 2961.

Cryptostroma corticale, virulence, Acer pseuaoplatanus 6931. Sooty blotch,

Gloeodes pornigena, orchards, Malus 6874.

extracts, antimicrobial activity 2495. Sophora secundifiora,

edlings growth, phosphorus uptake, mycorrhizas effects on 583.

meat products preservation, reviews 4873. Sorbic acid,

orbic acid, antibiacterial activity, antifungal activity, pH 7065. antimicrobial activity, meat 4810. antimicrobial activity, meat 4810. inhibition, trimethylamine-Noxide reductase, Escherichia coli 269. ± monolaurin, antiviral activity 700. use preservatives, wine, formation off flavor 7612. yeasts sensitivity 7093.

Sorbitol.

Sorbitol, chewing gum, dental plaque prevention, man 817.

Sorghastrum nutana, leatspot 1174.

Sorgham, Drechslera sorghicota leafspot, etiology, pathogencity 9354, stored products, post-harvest decay, fungi, effects on growth insecta 5799. + Zea mays crop rotation, effects on maize chlorotic mottle virus incidence 2116.

Sorghum bloolor, ethanol formentation, yeasts 4735. tungl infection, plant protection, coatings, waxes, plastics 4071. inoculation, maize dwarf mosaic virus, spraying pressure effects on pathogenicity 6774.

6774

leaves, use, Peronosclerospora sorghi types differentiation 3936.

maize dwarf mosaic virus infection, pathogenesis 5724. mycotoxins contamination 6703.

pathology, root rot, stalk rot, Fusarium moniliforme 8560.

rhizosphere, nitrogen fixation, nitrogen-fixing bactena 9612.
roots, nutrient uptake, role, Azospinilum brasilense 6988.
seedlings roots, carbon compounds exudates, nitrogen-fixing bacteria inoculation 4243

4243.
seedlings, susceptibility, maize dwarf mosaic virus 6747.
sheath blight, Rhizoctonia solani, virulence 1193.
stalks, roots, fungi colonization 5715.
yield, rhizosphere, nitrogen fixation, Azospirillum brasilense, Azotobacter chrosococum 1500.
Zea mays, maize dwarf mosaic virus transmission 4971.

phytotoxicity, monocerin, Exserohilum turcicum 3959.

Sorghum nttidum,
susceptibility, downy mildew, Peronosclerospora sorghi 5700.

Sorghum vulgare,
association, pollen, Colletotrichum graminicola infection 3940.
disease resistance, leafspot, leaf rust, sheath blight 1366.
downy mildew, Peronosclerospora, Sclerospora graminicola, epidemiology, reviews
1186.

1186
Glomus fasciculatus symbiosis, light effects on 2331.
pathology, Alternaria, Fusarium, infection, ergosterol 5720.
phyllosphere, nitrogen-fixing bacteria, nitrogen fixiation 9590.
plant breeding, disease resistance, downy mildew, Peronosclerospora sorghi 4061.
roots, plasma membranes, ultrastructure, Periconia circinata phytotoxins effects
on 9345.

Sour cherry necrotic ring spot virus, physicochemical properties, infection, crops 2144.

Sour rot, Citrus limon, factors affecting, susceptibility, Geotnchum candidum 2146. lemons, post-harvest decay, disease control, CGA-64251 1322.

iemons, post-harvest decay, disease control, CGA-64251 1322.

Sourdough,
starter cultures, lactic acid bacteria, acid production 5620.

South Africe Rep.,
plains, microorganisms populations 4217.

Southern been mosalic virus,
characterization, variability, Phaseolus vulgaris infection 333.
detection methodology, plant cells 4473.
disease transmission, Epilachna varivestis, Cerotoma trifurcata, feeding,
regurgitation, Phaseolus vulgaris 6738.
Phaseolus vulgaris, Brazil 2036.
transmission, Vigna unguiculata, role, Coleoptera regurgitation factors 6733.
Sowbane mosalic Virus,
infection, Atriplex suberecta, pathogenesis 3074.

Sowbane mosaic virus, infection, Atriplex suberecta, pathogenesis 3074.

Soy sauce, fermentation, Aspergillus sojae taxonomic significance 115. starter cultures, Pedicococus halophilus, organic acids metabolism 1054.

Soybean crinike leaf virus, infection, Glycine max, disease transmission vectors, Bemisia tabaci 5672.

Soybean milk, Bacillus stearothermophilus spores, heat inactivation 207. cheese production, lactic acid bacteria, ripening, organoleptic properties 3823. +corn, Salmonelia sentrenberg, decontamination, use, microwave radiation 3839. fermentation, lactic acid bacteria, sugar fermentation, lactic acid bacteria, sugar fermentation, lactic acid bacteria, sugar fermentation starter cultures, lactic acid bacteria, sugar fermentation starter, whey, carbon sources, Propionibacterium freudenerichii subsp. shermanii, cyanocobalanin production 5565.

Soybean mosaic virus, determination, special superioritation, dispension, inheritance, Glycine max 9463. disease resistance, inheritance, Glycine max 9463. disease resistance, inheritance, Glycine max 9463. enfluction, consistence in mosaic virus, infection, Glycine max 9541. infection, cology, Glycine max, Glycine max, 949. infection, offects on roots volume, Glycine max, 328. infection, offects on roots volume, Glycine max 328. infection, Glycine max, disease resistance 7733.

Soybean mosaic virus, (continued) infection, Glycine max seeds, detection, enzyme-linked immunosorbent assay 343. infection, pathogenicity, lesions, assays, use, Phaseolus vulgaris 8542. seed-borne diseases, radioimmunoassay, Glycine max 1316. strans, disease resistance, Glycine max 6839.

proteins, +minced meat, spoilage, bacteria, temperature effects on 228.

Space flight, food, relationhip, Hansenula polymorpha carbohydrate composition, association, carbon dioxide recycling, nutrient requirements 8486.

Spain, Macrophomina phaseolina charcoal rot, Helianthus annuus, incidence, distribution

9416

9418.
Soll microorganisms, Ascomycetes, check lists 3202.
Sparasals crispa,
but rot, pathology, Coniferales 4179.
Spartina alterniflora,
nitrogen fixation, Campylobacter nitrofigilis sp.nov, 7856.
salt marshes, roots, localization, nitrogen-fixing bacteria 6987.
Saathinhullum.

Spathiphyllum, leafspot, Myrothecium roridum 5747.

Spatial distribution, Bottytis fabae infection lesions, Vicia faba, statistical analysis methodology 2110.

caminomycins carbohydrate composition 1657.
Cylindrocladium crotalariae, soil inoculum, black rot, Arachis hypogaea 1123.
environmental factors, Cronaritum ribicola, canker, Pinus monticola 4146.
fungi biomass, Pinus, forests 515.
soil microorganisms, forests, population studies, Tricholomopsis platyphylla

1445. Tricholomopsis platyphylla, forests 1437.

Speciation, Streptococcus, fecal microflora 6304.

Species composition, bacteria, yeasts, atmosphere composition effects on, blood culture 9012. Dictyostelium, ecological distribution, population density 5849. Dictyostelium, ecological distribution, alpine environments 1479. fungi, forests soil 3160.

fungi, forests soil 3160.

fungi, population levels, leaf litter, forests, tropical environment 1443.

fungi, soil microorganisms, slash and burn 9622.

mycorrhizas, soil properties effects on, Pseudotsuga menziesii, Tsuga
heterophylia 520.

psecies diversity,
measurements methodology, bacteria cell culture, sampling, statistical analysis
370.

soil microorganisms, drying, forests, soil, storage conditions 5856. Speck,

Lycopersicon esculentum, developmental stages effects on susceptibility, Pseudomonas syringae pv tomato infection 2234. Lycopersicon esculentum, disease resistance 1381. Lycopersicon esculentum, scanning electron microscopy, pathology 2233. Lycopersicon esculentum, scanning electron microscopy, pathology 2233. Pseudomonas syringae pv. tomato, disease resistance, plant breeding, Lycopersicon esculentum 6842.

Pseudomana syringae pv.tomato, disease spread, environmental factors, Lycopersicon esculentum 1297.

Pseudomonas tomato, disease resistance, inheritance, Lycopersicon 5036

Speckled leaf blotch,
disease control, Triticum aestivum, yield, models 7671.

Septonia, Triticum aestivum, incidence, distribution, USA, California 1171.

Septona, Irriicum aestivum, incidence, distribution, USA, Spectinomycin, analogs, production, antibacterial activity 6185. antibacterial activity, Neisseria gonorrhoeae 4334. antibiotic resistance, Francisella fularensis 8874. antibiotic sensitivity testing, Neisseria gonorrhoeae 5240. demethylation 1675.

demethylation 1675.

Rhizobium japonicum antibiotic resistance isolates, Glycine max nodules 651. rosaramycin, erythromycin, tertracycline, antibiotic sensitivity testing comparison, Mycoplasma pneumoniae 6092.

Spectrofluorometry, computer applications, influenza virus, methodology 8107.

Spectrometry, analysis, yeasts fermentation, phase variations 5433. oxygen effects on methanogenesis, digestion (anaerobic), comparison, rumen 9629. Spectrophotometry.

Spectrophotometry, assays, tyrosine decarboxylase, Streptococcus faecalis 7345. cephalexin, ampicillin 730.

cepnaexn, ampicilin 730. detection, protons release, yeasts 2710. I.R. radiation, counting methods, spores, fungi 3634. localization, avenalumin, fungi, infected, leaves, Avena sativa 3912. p-D-mannosidase, Bacillus subtilis 1901. methodology, oleandomycin guantitation 6170. nystatin 6178.

Solvents, methodology, viruses, proteins 8108.

Spectroscopy,

Hypoxylon serpens, metabolites, 3-methoxy-4-methyl-5-prop-1-enylfuran-2(5H)-one 7497.

Spegazzinia tressartha, pectin biodegradation 3776. Spergualin-15-phosphate, custhesis 3717

synthesis 37

Spermine, biosynthesis, Acetobacter ornithine decarboxylase, GTP sensitivity 8371.

Spermosphere, use, nitrogen-fixing bacteria, growth, enumeration, isolation, Oryza sativa rhizosphere 3616

Sphaceloma, isolation, scab, Citrus madurensis 1220.

relationship, Elsinoe, pathogenicity, Euphorbiaceae 4979.

Sphaeroplasts,

Sphaeropiasts, Trichoderma reesei, formation, use lytic enzymes 6346. Sphaerotheca, disease resistance, plant breeding, Ribes nigrum× Ribes rubrum 1345. Sphaerotheca fullglimeta, powdery mildlew, biological control, Ampelomyces quisqualis hyperparasitism,

Sphaerotheca fullgimea, (continued)
Cucumis sativus 2275.
Sphaerotheca fullgimea,
± cucumber mosaic virus, infection, effects on, micronutrients, Cucumis melo polisage, (continued)
fruts, nuts, microscopy, bibliographies 5034,
fungi, meat products, vacuum packaging 4880,
fungi, preservation, isobutyric acid, propionic acid, com 5626,
hay, fungi, prevention, antifungal agents 247,
lactic acid bacteria, poultry, packaged food, carbon dioxide, oxygen 6686,
Lactiobacillus, Enterobacteriaceae, meat, vacuum packaging, carbon dioxide 3076.
downy mildew, Helianthus annuus 4006.
intection, effects on, Cucumis sativus, leaves, carbohydrates, metabolism 1273.
pathogenicity, Cucumis melo 1275.
powdery mildew. Cucumis sativus, susceptibility, pathogenesis 3047.
powdery mildew disease control, greenhouses plants, ectaconazole treatment 5004.
sensitivity, fungicides, association ergosterol biosynthesis inhibition 9487.
Spheerotheca macularia,
powdery mildew, antifungal agents, disease control, Rubus idaeus 487.
Spheerotheca macularia,
powdery mildew. Fragaria 5007.
Spheerotheca mora-uvse,
powdery mildew. Fragaria 5007. packaging 4879. packaging 4679.
Lactobacillus, frankfurters, pork, storage, gases composition 5639.
Luncheon meat, Bacillus, Streptococcus, shelf life 4872.
Luncheon meat, food contamination, Bacillus, micrococcus, Streptococcus, factors affecting 2029. mayonnaise, Saccharomyces exiguus, Saccharomyces dairensis 3812.
meat, carbon dioxide inhibition Pseudomonas fluorescens, packaging association 7610 milk, off flavor, proteinase, bacteria 4815. milk products, yeasts, fungi, polyethylene packaging, oxygen permeability 4884. origonoleptic evaluation, sweeteners, a-L-aspartyl-l-phenylalanine methylester, beverages 3803. poultry, packaging, cold storage 4881. proteolytic bacteria, food contamination, seafood 3825. psychrophilic bacteria, potatoes, vacuum packaging, ntrogen packaging 4883. seafood, bacteria, chlorotetracycline+ sodium chlorote treatment effects on 2922. seafood, bacteria, chlorotetracycline+ sodium chlorote treatment effects on 2922. seafood, orfrigeration, gases composition 5640. Storage orditions effects on 2921. seafood, refrigeration, gases composition 5640. Vibno, shellfish, vacuum packaging, lactic acid bacteria inoculation 8495. Vibno, shellfish, vacuum packaging, lactic acid bacteria inoculation 8495. Vibno, shellfish, vacuum packaging, lactic acid bacteria inoculation 8495. veasts, coliforms, meat products, storage effects on taste panel evaluation 4771. 7610 Spriserorheca mors-uvse, powdery mildew, Ribes nigrum, disease resistance 7748.
Sphserotheca pennosa, powdery mildew disease control, greenhouses plants, ectaconazole treatment 5004
Sphserotheca pennosa var.rosae, powdery mildew, disease control, Rosa 9385.
Sphserotlius, controlling, walls 3483. contamination, wells 3483.

Sphaerotilus natans, feeding patterns effects on glucose metabolism, relationship activated sludge 6247. Spheroplasts, formation, imidazoles, antifungal activity, Candida albicans, scanning electron microscopy 3337.

Mycobacterium smegmatis, isolation, methodology 856. viono, shellitsh, vacuum packaging, lactic acid bacteria inoculation 8495. yaasts, coliforms, meat products, storage effects on taste panel evaluation 4771 yeasts, Staphylococcus aureus, psychrotrophic bacteria, organoleptic properties, efrigeration 2038. Spongla officinalla, diterpene lactones, isoprenylquinone, antibacterial activity 8769. Sponotrichum pulverulentum, biomass production, pigs wastes 9102. Spices, effects on Lactobacillus plantarum, fermentation, sausages 2056. ements on Lacropachius phantarum, rementation, sausages 2056.

Spilocaea mealanchleris,
New Zealand plants pathogens, new records 326.

Spinscae oleracea,
white rust, blue mold, disease control, metalaxyl+chlorothalonil treatment 5064 writte rust, pule moid, disease control, metalaxyi+chlorotrialonii treatment s pinach, spoilage, bacteria, nitrite formation 435. Spinacia oleracea, disease resistance, blue mold, Peronospora effusa, genetic analysis 1337. downy mildew, Peronospora effusa, seed-borne diseases 9423. Spirace vanhouttel, andopurin bots specificity 9371. porangia, formation, Phytophthora cinnamomi, soil pH effects on 3994. survival, dieback, Phytophthora parasitica, pathology, Rhododendron 9386. Synchytrium endobioticum, isolation, methodology 8158. derivatives biosynthesis, Saccharomyces hirsuta subsp.kobensis 4395. fluorine derivatives, synthesis 8876. Sporaviridin, Erwinia amylovora amylovorin host specificity 9371. Spiramycin, disease control, dental plaque periodontal diseases, man 3505. effects on Escherichia coli aminoacyl-tRNA hydrolase, dissociation, ribosomes Sporaviridin, sugars component structure 8047.
Spore crystals,
Bacillus sphaericus, toxicity, pest control, Culex quinquefasciatus 1035.
Spore germination,
antifungal activity, fruits extracts, Diospyros cordifolia 8785,
basidiospores, Cronaritum flaccidum, association, Pinus nigra, Pinus sylvestris, 1630. +metronidazole tablets, antibacterial activity, oral cavity isolates 8864. Spiramycin I, biosynthesis, Streptomyces ambofaciens, radioactive labelling 6169. Spiritioxanthin, configurations, Raman spectroscopy, carotenoproteins, Rhodospirillum rubrum 6625 Spirillum lipoferum, leaves 4154. carbon dioxide, oxygen, soil aeration, Verticillium dahliae 6968 carbon dioxide, oxygen, soil aeration, Verticillium dahilae 6968.
condida, Cryphonectria cubensis, Eucalyptus phenols effects on, role, disease resistance, canker 5814.
Conidiobolus obscurus resting spores, fungicides effects on 7762.
fungi, iprodione, thiophanate methyl, effects on 7765.
Fusarium oxysporum f.sp.vasinfectum, stimulation, prometryne, triffuralin, roots exudates, Gossypium hirsutum 8706.
Glomus caledonius, amino acids stimulation 4189.
Glomus epigaeum, Poncirus trifoliata × Citrus sinensis roots exudates effects on 1477.

Gymposporaphium fuscum basidiospores, baustoria, penetration. Vitis vinifera. relationship, nitrogen fixation, Hordeum rhizosphere, rhizoplane 4241. Spirillum volutans, Spirillum volutans'
pollution monitoring, sewage treatment plants 3464.

Spiroplasma,
pollution monitoring, sewage treatment plants 3464.

Spiroplasma,
growth inhibition test, use, taxonomy 2687,
host-pathogen interactions, plants 5665,
pathogeniothy, Cocos nucifera, association yellows 3968.
sensitivity, heavy metals salts 2441,
stunt, enzyme-linked immunosorbent assay detection, Zea mays 3011.

Spiroplasma citri,
brittle root, epidemiology, geographical distribution, Armoracia rusticana 3059,
detection, enzyme-linked immunosorbent assay, Vinca rosea, Euscleildius
variegatus 3046,
disease transmission, host plants, feeding, Circuifier tenellus, vectors 4920,
infection, Amoracia rusticana, pathology 9388,
isolation, culture, plants, Circuifier tenellus, Scaphytopius nitridus 1769,
mixed infection, X disease, mycoplasma-like organisms, etiology, Prunus 3025.
Spiruline maxima, Gymnosporangium fuscum, basidiospores, haustoria, penetration, Vitis vinifera 1284. 1.20%.
Hyphomycetes, Quercus, Pinus, wood, extracts, inhibition 4180.
Macrophomina phaseolina, fungicides, antibiotics, effects on 7760.
Pinus radiata, monoterpenes, effects on, Dothistrona pini, needle blight 4143.
Pseudoperonospora cubensis, downy mildew, Luffa acutanyula, pollen, effects on 5011 Septoria nodorum, pathogenicity, host range, Triticum aestivum, Hordeum vulgare 3019. Spirulina maxima, soil microorganisms, fungi, ammonia, volatiles, effects on 2349. carbon sources, use digestion (anaerobic), methanogenesis 625.

Spodoptera,
biological control, baculovirus 998.

Spodoptera eridania,
growth, feeding, Medicago sativa, wilt, Verticillium albo-atrum, effects on 4943.

Spodoptera exigua,
biological control, Bacillus thuringiensis 5559,
larvae, Paecilomyces farinosus infectivity, field trials 7504.

Spodoptera frugiperda,
biological control, Bacillus thuringiensis 5550,
pest outbreaks, effects on aflatoxin B1 contamination, Zea mays 4887.

Spodoptera litteralia,
biological control, Bacillus thuringiensis 5559.

Spodoptera litteralis,
biological control, Bacillus thuringiensis 9224.
biological control, specifical sp carbon sources, use digestion (anaerobic), methanogenesis 625. Thermoactionmyces vulgaris, methodology, association carbon dioxide 5384. Trichoderma reesei, cellulolytic enzymes release 7331. Trichoderma reesei, indole-3-acetic acid, gibberellic acid, effects on 8320. Trichothecium roseum, fungicides effects on, in vitro 7764. Spore trape, Sclerotinia sclerotiorum infection, Brassica napus, fungicides disease control 8634. Spore-forming bacteria, contamination, milk, buffaloes 7578 contamination sources, milk 4812. Spores. distance of the second containment of the se biological control, sprenjsim, nuclear polyhedrosis virus+deltamethrin 9208
Spollage,
Arachis hypogea, seeds, Aspergillus niger, Drechslera rostrata 2238.
Arachis hypogea, seeds, Aspergillus niger, Drechslera rostrata 2238.
Aspergillus, Filozopus, effects on lafty acids, peanuts 4053.
bacteria, Iodo contamination, packaging, seafood 2935.
bacteria, milk, pasteurization, reingration 2913.
bacteria, milk, pasteurization, reingration 2913.
bacteria, milk, pasteurization, reingration 2913.
bacteria, milk pasteurization, reingration 2913.
bacteria, milk pasteurization, reingration 2913.
bacteria, milk pasteurization, reingration 2913.
bacteria, pinach, infirite formation 435.
bacteria, spinach, infirite formation 435.
bacteria, water activity, frankfurters 6667.
beef, Vaccium packaging, refrigeration, Enterobacteriaceae 5638.
com, fungi, contamination, myodoxins, preservation 5643.
com, storage, association, myodoxins, preservation 5643.
com, storage, association, myodoxins, preservation 5643.
com, storage, association, myodoxins production fungi 2089.
fermented milk products, psychrotrophic bacteria, preservation, hydrogen peroxide+thiocyanic acid 6685.
food contamination, bacteria, poultry, cooking, kitchens 1067.
food contamination, bacteria, poultry, cooking, kitchens 1067.
food contamination, bacteria, poultry, cooking, kitchens 1067.
food contamination, bacteria, poultry, cooking, kitchens 1067. 9897.

Bacillus cereus, dimethyl sulfoxide, EDTA, effects on antibacterial activity, formaldehyde, hydrogen peroxide 8772.

Bacillus cereus, germination, heat resistance, association, diarrhea, emetics, food contamination, man 193.

Bacillus, entylene oxide resistance 2412.

Bacillus globigii, inactivation, microwave radiation, aerosols 9706.

Bacillus globigii, inactivation, microwave radiation, purification, characterization 1878.

Bacillus mediaterium, disclifide reductase isolation, purification, characterization 1878. Bacillus megaterium, heat resistance, chemicals resistance, association, phosphate media 3280. phosphate media 3280.

Bacillus, preservation, use, ethanol 2699.

Bacillus, pressure isolation 5417.

Bacillus sphaericus, spore crystals, toxicity, pest control, Culex quinquefasciatus 1035.

Bacillus sphaericus, toxins, extraction 5662.

Bacillus sphaericus, toxins, extraction 5662.

Bacillus stearothermophilus, dipicolinic acid activation, counting methods 3612.

Bacillus sublibilis, briassesse, antimigrobial angents, uring 9708.

Bacillus subtilis, bioassays, antimicrobial agents, urine 9708

Spoliage, (continued)

Spores, (continued)
Bacillus subtilis, resistance, glutaraldehyde, sodium hypochlorite, iodine 5177.
Bacillus thuringiensis, persistence, leaves, biological control, Lepidoptera

Bacillus triunngiensis, persistence, leaves, biological control, Lepidoptera 1006.

Bacillus thuringiensis, persistence, soil, biological control, Insecta 1007.

Bacillus thuringiensis subsp.israelensis, viability, toxicity, biological control, Aedes aegypti 4713.

Bacillus thuringiensis subsp.israelensis, viability, toxicity, biological control, edges, larvae, Epitrix 985.

Bottyodiplodia theobroma, vectors, Mus musculus domesticus, Periplaneta americana, Zonecerus varigatus, yams, post-harvest decay 442.

Bottylis cinerae, dispersal, incidence, Phaseolus vulgaris pod rot 5686.

Ceratocystis fimbriata, agglutination, extracts, Ipomea batatas, roots, host specificity, black rot 3095.

Ceratocystis fimbriata, agglutination factors, isolation, characterization, Corocasia esculenta black rot 4993.

Clostridium botulinum inactivation, heat transfer, mushnooms, canning 1093.

Clostridium perfringens, extraction, sediments, methodology 1771.

Clostridium perfringens, media (selective) 892.

coat protein, fractionation, characterization, Dictyostellum discordeum 1831.

Colletiotichum graminicola, Heliminthosporomum maydis, application, Zea mays, leaves, methodology, humidity 9081.

rcystals complex, Bacillus thuringiensis, extotoxins effects on Ostrinia nubrialis 7489.

+ crystals complex, Bacillus thunngiensis, exotoxins effects on Ostrinia nublialis 7489.
Cunninghamella elegans, pretreatment, stimulation 11-desoxy-17-hydroxycorticosterone hydroxylation 3704.
Deuteromycetes, production, biological control, Culicidae 1807.
Erysiphe graminis f.sp. hordei, dispersal, spring, Hordeum vulgare, Denmark 2127. fungi, counting methods, spectrophotometry, I.R. radiation 3634.
germination, fungi, hizosphere, Cajanus cajan, Lathyrus sativus 558.
germination, Puccinia melanocephala leaf rust pathogenesis, Saccharum officinale 5716.

5716

5716.
Glornus mosseae, Vicia faba, crop fields 3186.
isolation, sterilizers, sampling, methodology 8802.
Pithomyces chartarum, spondeamin purification methodology, high-pressure liquid chromatography 3813.
Pleurotus sajor-caju, packaging, sterilization 4516.
Pseudocercosporella herpotrichoides, rainfall dispersal, disease spread, eyespot, Trifticum aestivum 5727.

Consulterargenoulle hemotrichoides, rainfall dispersal, ierlation, soil 5021.

chromatography 3010.

Pleurotus sajor-caju, packaging, sterilization 1012.

Triticum aestivum 5727.

Triticum aestivum 5727.

Pseudocercosporella herpotrichoides, rainfall dispersal, isolation, soil 5921.

Triticum aestivum 5727.

Pseudocercosporella herpotrichoides, rainfall dispersal, isolation, soil 5921.

Stachybotrys chartarum, verruccaria 3 biosynthesis 5654.

Stagers,

Lolium, propionazole, antifungal activity 2481.

Lolium premene neurotoxins, phytoalexins, response fungi infection 3955.

Stagonospora aremaria,

leafspot, Dactylis glomerata, pathogenesis, visual perception, man 3101.

Staln,

survival, environmental conditions, pest control, Entomophthorales, biologica control 1009
Tilletia controversa, contamination, grain, Triticum aestivum 1329.
Sporidesmin, purification methodology, high-pressure liquid chromatography, Pithomyces chartarum spores 3813.
Sporidesmilum scienotivorum, media (culture), methodology, sporulation 6356.
Sporidesmolides,

Sportdesmolides, toxicity, role superoxide radicals, formation, in vitro 274.

Sporidiobolus, enzymes, electrophoresis 7422.

Sporobolomyces, enzymes, electrophoresis 7422.

Sporocybe, incidence, drinking water systems 1722.

Sporothetic schencki, sisolation, food, methodology 7565.

Sporothrix schenckii, antifungal activity, amphotericin B, temperature effects on 1569. cell culture, formalin artifungal activity 8793. cell distribution, methodology 2724, polysaccharides, structure 1762.

Sporotrichum, single-cell protein production, crop residues, food industry, industrial wastes 9112.

Sporotrichum pulverulentum,

9112.
Sporotrichum pulverulentum,
biodegradation, Canarium schweinfurthii, bark 550.
cellobices oxidase, characterization 4602.
lignin biodegradation 1998.
lignin biodegradation 1998.
lignin biodegradation, Pinus, straw 171.
lignocellulose biodegradation, comparison Dichomitus squalens 1999.
lignosulfonates biodegradation, polyacrylic acid effects on 6643.
proteins, production, use, Citrus, wastes 9131.
Sporotrichum thermophile,
production, endo-1,4-g-D-sylanase, cellulase, exo-cellobiohydrolase 8323.
Sporulation,
Alternaria helianthi, survival, Helianthus annuus infection 7712.

Alternaria helianthi, survival, Helianthus annuus infection 7712.
Aspergilius flavus, Aspergilius parasiticus, aflatoxin B1, formation, rice 2946.
Bacillus brevis, intracellular serine proteinase association, purification, characterization 36.

characterization 36.

Bacillus brevis, serine proteinase, biosynthesis 6545.

Bacillus licheniformis, relationship bacitracin biosynthesis 8865.

Bacillus subtilis, mutants, rifamycin, antibiotic resistance 7901.

Bacillus subtilis var.niger, factors affecting, resistance, ethylene oxide 9705.

Cercospora arachidicola, screening, leafspot disease resistance, Arachis hypogaea 5047.

5047.
Cercospora zeae-maydis, leafspot, pathogenesis, Zea mays 3957.
Erysiphe graminis, samplers 4518.
Erysiphe graminis, samplers 4518.
Ingicides effects on Monifinia fructicola 2282.
lactoferrin, transferrin, interaction, nitrite, inhibition, Bacillus cereus 3329.
Monilinia fructicola, overwintering, Prunus persica, fungicides effects on 7763.
Peronospora viciae, downy mildew, disease resistance, Pisum sativum cultivars 3141.

3141.

Phytophthora, Eucalyptus forests soil extracts effects on 525.

Phytophthora infestans, infection, nutritional status, Solanum tuberosum 6801.

Saccharomyces, Kluyveromyces, enythomycia inhibition 1631.

Spondesmum sclerotivorum, media (culture), methodology 6356.

Streptomyces griseus, liquid culture, induction, methodology 9042.

Tranzschelia discolor, rust, host range, Prunus domestica subsp.domestica, Prunus

Sporulation, (continued)
domestica subsp.insititia 3967.

Spot.

pot, Leandria momordica, pathology, Cucumis sativus 5768.
Piper nigrum, Xanthomonas campestris pv. vesicatoria, disease control, association, copper sensitivity 6878.
Pseudomonas syringae pv.syringae, Hordeum vulgare, etiology 4970.
Pyrenophora teres f.sp. maculata, Hordeum vulgare 5703.
Pyrenophora tritic-repentis, Trificum aestivum, incidence, Colombia, Ecuador, Peru 3336.

viruses, Gramineae, symptoms, vectors, biological properties 1163. Xanthomonas campestris pv.vesicatona, Capsicum annuum 7696. Xanthomonas vesicatoria races, pathogenicity, Capsicum annuum 1309.

adjuvants, biological control, nuclear polyhedrosis virus, pathogens, Heliothis

29a 5947. biological control, Bacillus thuringiensis, Choristoneura fumiferana 7488, biological control, Bacillus thuringiensis, Choristoneura fumiferana 8350, minerals oils, use, control, disease spread, potato virus Y infection, Solanum luberosum 1243.

nose, thimerosal preservatives, Pseudomonas cepacia survival 7118.

Spring, powdery mildew, Hordeum vulgare, spores dispersal, spring, Denmark 2127.

Sprouts, vegetables, bacteria microflora 8473.

vegetables, bactena microtrors 8473.
Spur blight,
Didymella applanata, antifungal agents, disease control, Rubus idaeus 487.
Rubus idaeus, row width, role, disease control, USA, Ohio 7734.
Squalene monooxygenase (2,3-epoxidizing),
biosynthesis, activity, oxygen role. Saccharomyces cerevisiae 8216.
Squash mosaic virus,
infection, Cucumis melto, Africa 1237.
seed-borne diseases, detection, enzyme-linked immunosorbent assay 7219.
czastility.

Staining, detection, Chlamydia, methodology 8123, fluorescence, detection, Chlamydia trachomatis 3619, fluorescence, fungi, ethidium bromide, methodology 2720. Legionella pneumophia, tissues 5377.

Legionella Piediffuppinia, losades 3377. methodology, adenovirus, immunoffuorescence, tissue culture 9845. methodology, localization, hepatitis B surface antigen, liver, man 827. Puccinia striiformis plant diseases, methodology 6730.

bacteria histology, scanning electron microscopy 866. Stalk rot,

Diplodia maydis, Ostrinia nubilalis infestation effects on, disease resistance,

Zea mays 361.

Fusarium moniliforme, pathology, Sorghum bicolor 8560.
Fusarium moniliforme, Zea mays, predisposing factors 6754.
Gibberella zeae, Fusarium graminearum, relationship Ostrinia nubilalis, pests infestation, Zea mays 9349.
Phytophthora megasperma I.sp.giycinea, metalaxyl, Glycine max 1420.
Zea mays, Farzil, Erwinia chrysanthemi pv.zeae 2141.
Zea mays, Erwinia chrysanthemi, symptoms 2140.
Zea mays, Fermilizer applications effects on 1197.
Stalks,
Sorghum bicolor, fungi colonization 5715.

Sorghum bicolor, fungi colonization 5715.
Standardization,
β-lactam antibiotics, assays 4380.

Standards,

food contamination, microorganisms 3849. food contamination, sampling 212. milk, bacteria contamination 4824. milk, bacteria contamination, organoleptic evaluation 4839.

Stands,
Acacia holosericea, nutrient cycles assciation endomycorrhizas 535.
biomass, nutrient cycles, mycorrhizas, fungi, Pseudotsuga menziesii, USA, Oregon

Stannous fluoride.

effects on Streptococcus mutans growth, tin uptake, acid production, glucans production 8771. gels, dental caries prophylaxis, man 8987. mouthwashes, effects on Streptococcus mutans levels, dental plaque, saliva, man

3500

3500
Staphylococcin,
detection, Corynebacterium bioassays 6224.
Staphylococcus,
achierence, catheters 6271.
antibacterial activity, bie acids, synergism, benzylpenicillin, furagin 1618.
antibacterial activity, cefaclor, cefadroxil 731.
antibacterial activity, cefaclor, cefadroxil 731.

antibacterial activity, benzourie, antibiotics sprengism, antibiotics 2531.

antibacterial activity, dibekacin, comparison, tobramycin 2584.

antibacterial activity, dimethyl sulfoxide± antibacterial activity, merolide antibiotics 8041.

antibacterial activity, micronazole+imidazole derivatives antibiotic synergism 5182.

antibacterial activity, Neisseria gonorrhoeae 6047. antibacterial activity, norfloxacin 7091. antibacterial activity, rifampicin+teichomycin, +vancomycin 3392. antibacterial activity,

Staphylococcus, (continued)
6:o-hydroxyethyl-2-acetoxymethyl-2-penem-3-carboxylate 1611.
8:o-hydroxyethyl-2-acetoxymethyl-2-penem-3-carboxylate 1611.
8:o-hydroxyethyl-2-acetoxymethyl-2-penem-3-carboxylate 1611.
8:antibiotic resistance, aminoglycoside antibiotics, plasmids transfer 7042.
8:antibiotic resistance, A-formimodyl thienamycin 7041.
8:antibiotic sensitivity testing 9726.
8:antibiotic sensitivity testing, feichomycin, vancomycin 6202.
8:antibiotics ensitivity testing, feichomycin, vancomycin 6202.
8:antibiotics ensitivity testing, feichomycin, vancomycin 6202.
8:antibiotics ensitivity testing, eichomycin 3425.
8:dinical isolates, antibiotic sensitivity testing 6105.
8:dinical isolates, antibiotic sensitivity testing 6105.
8:dinical isolates, antibiotic sensitivity testing 9734.
8:dinical isolates, antibiotic sensitivity testing 9734.
8:dinical isolates, antibiotic sensitivity testing 97122.
8:dinical isolates, antibiotic sensitivity testing 7122.
8:donization, catheters, growth 2638.
8:donization, catheters, growth 2638.
8:donization, catheters, growth 2638.
8:donization, catheters, growth 2638.
8:donization, catheters, on expresiment of manusorbent assay, methodology 9309.
8:enterotoxins biosynthesis 3866.
8:enterotoxins biosynthesis, media (culture) 1115.
8:enterotoxins, food contamination, detection, enzyme-linked immunosorbent assay
1110.
8:enterotoxins, identification, counter immunoelectrophoresis, immunofluorescence Staphylococcus aureus, (continued) isaphytococcus aureus, (continued) hirsubsama 7081.
antibacterial activity, silver nylon fabros 3371.
antibacterial activity, sorbic acid, pH 7065.
antibacterial activity, Streptomyces melanovinaceus antibiotic DC-52 8344.
antibacterial activity, Streptomyces melanovinaceus antibiotic DC-52 8344.
antibacterial activity, teichomycin 7183.
antibacterial activity, teichomycin companison, vancomycin 8899.
antibacterial activity, 3-acyl-4-hydroxy-6-methyl-2H-thiopyran-2-ones, 3-acyl-4-methosy-6-methyl-2H thiopyran-2-ones, bromination, derivatives 2493.
antibacterial activity, 3-acyl-4-hydroxy-6-thiazolines 4318.
antibacterial activity, 3-acyl-2-anylimino-4,5-disubstituted-Δ⁴-thiazolines 4318.
antibacterial agents, quinazolinones 5186.
antibiotic antagonism, nafollin+rifampin, oxacilin+rifampin, antibacterial activity, 750. antibiotic L-640,876 antibacterial activity, mechanisms, membrane permeability antibiotic resistance, cephalosporins 7035 antibiotic resistance, clinical isolates 3296. antibiotic resistance, epidemiology 9647. antibiotic resistance, macrolide antibiotics 9646, antibiotic insistance, methodilin 3267, antibiotic resistance, peliculins, enythromycin 3290, antibiotic resistance, polarmidis transfer, relationship phage typing 8721, antibiotic resistance, polarmidis transfer, relationship phage typing 8721, antibiotic sensitivity testing 6111, antibiotic sensitivity testing 7072, antibiotic sensitivity testing, B-lactam antibiotics 57978, antibiotic sensitivity testing, antimicrobial agents 5233, antibiotic sensitivity testing, antimicrobial agents 5233, antibiotic sensitivity testing, antimicrobial agents 6202, antibiotic sensitivity testing methodology 4381, antibiotic sensitivity testing in the object of the sensitivity testing antibiotic sensitivity testing antibiotic sensitivity testing sensitivity testing antibiotic sensitivity testing antibiotic sensitivity testing antibiotic sensitivity testing antibiotic sensitivity testing sensitivity testing antibiotic sensitivity testing antibiotic sensitivity testing antibiotic sensitivity testing activity sensitivity sensitivi antibiotic resistance, macrolide antibiotics 9646, antibiotic resistance mechanisms, β-lactam antibiotics 3268. otoxins, identification, counter immunoelectrophoresis, immunofluorescence 4918. 4918.
enterotoxins production 2087.
enterotoxins production 2959.
ermentation, Pentaclethra macrophylla seeds 6675
food contamination, chickens eggs 187.
food contamination, ice cream 7567.
food contamination, indicators, endotoxins, deoxyribonuclease I, coagulase 3810.
food contamination, milk products, India, incidence 2058.
food contamination, ripering, salami 2030.
fosfomycin derivatives antibacterial activity 8890.
fructose-bisphosphate aldolase, purification, characterization, amino acid
composition 7388.
infection immunodiagnosis, telchoic acid, enzyme-linked immunosofient assay, mi infection, immunodiagnosis, teichoic acid, enzyme-linked immunosorbent assay, man 9919. infection, immunodiagnosis, teichoic acid, enzyme-linked immunosorbent ass 9919.

jeterferon antibacterial activity 7922.
c-interferon, antibacterial activity 686.
isolation, goats, antibiotic resistance 8744.
β-lactamase activity 7973.
mastitis, relationship udder hygiene, cattle 4453.
media (selective) 873.
methicillin resistance, artibacterial activity, antibiotic synergism, vancomycin ≤ gentamicin ≤ rifampicin 7126.
norlioxacin antibacterial activity, p1 effects on 6228.
plasmids transfer aminoglycoside antibiotics antibiotic resistance 7046.
protein A, agglutination, assays, rotavirus 8105.
protein composition, methicillin antibiotic resistance 2407.
Skeletonema costaturm, comparison, Phaeodactylum tricomutum, extracts, antibacterial activity 7162.
saps contamination 2641.
strains, polymyxin, susceptibility, association, coagulase 8866.
synthetic detergents antimicrobial activity 7958.
urinary tract clinical isolates, norfloxacin antibacterival activity 9671.
Staphylococcus esibus, antibiotic sensitivity besing, teichomycin, vancomycin 6202.
Staphylococcus eureus.
4-01/2 seramido-2-denova-8-Deducopyraposul-Burghitich biosymbesis 7434.
4-01/2 seramido-2-denova-8-Deducopyraposul-Burghitich biosymbesis 7434. bine acutar resistant ce association armodulas densiving 2-200. bioassays indicator species, drug sensitivity testing 6039. cefodizime artibacterial activity 7142. cefotaxime, moxalactam, artibiacterial activity comparison, antimicrobial agents 6126. cefotetan antibacterial activity 5198. cefuroxim, antibacterial activity 1612. cell surface, detection L-cysteic acid, methionine sulfoxide, β-alanine, dityrosine, α-aminobutyric acid 1834. cell walls, binding, opsonins, immunoglobulins, immunofluorescence 8122. cell walls, phospholipids content, antibiorities effects on 3380. cell walls, sanguiritini effects on 8873. cell walls, sanguiritini effects on 8873. cell acid isolates, antibacterial activity, cefoxitin, tobramycin, comparison N-formimidoyt theinamycin 7076. clinical isolates, antibacterial activity, ceftazidime, cefotaxime, moxalactam 4385 Staphylococcus albus, antibiotic sensitivity testing, teichornycin, vancomycin 6202.
Staphylococcus aureus,
4-O-(2-acetamido-2-deoxy-β-D-glucopyranosyl)-D-ribitol biosynthesis 7434.
Achatina fulica, mucin, artibacterial activity 5185.
addicts isolate, methicilin resistance, susceptibility strains, antibiotic sensitivity testing 3393.
adenine, stimulation endonuclease, extracellular enzymes 7329.
aminoglycoside artibiotics, antibiotic sensitivity testing 3378.
aminoglycoside-2"-0-adenyttransferase, 7-hydroxytropolone inhibition, association, antibiotic resistance 652.
animal isolates, antibiotic resistance 652.
animal solates, antibiotic resistance 52.
anibacterial activity, β-flactam antibiotics 4330.
antibiacterial activity, β-flactam antibiotics 4330.
antibiacterial activity, antibiotic synergism, vancomycin+gentamicin, vancomycin+tobramycin 771.
antibiacterial activity, antibiotic synergism, vancomycin± gentamicin± rifampioni 7126.
antibiacterial activity, carbazole derivatives 7961.
antibiacterial activity, carbazole derivatives 7961.
antibiacterial activity, carbazole derivatives 7961.
antibiacterial activity, carbazole derivatives, structure-activity relationships 839.
antibiacterial activity, cephalosporins derivatives, structure-activity relationships 839. clinical isolates, antibacterial activity, cephalosporins 9740, clinical isolates, antibacterial activity, cephalosporins 9740, clinical isolates, antibacterial activity, cephotaxim, cephuroxim 8830. clinical isolates, antibacterial activity, gentamicin, tobramycin, netilmicin, media analysis 7074. clinical isolates, ambiacterial activity, gentamicin, tobramycin, netlimicin, media analysis 7074.

clinical isolates, ambibotic resistance, oxytetracycline, minocycline 3288.

clinical isolates, ambibotic sensitivity testing 3389.

clinical isolates, ambibotic sensitivity testing 3389.

clinical isolates, biochemical characteristics, antibiotics sensitivity 8827.

clinical isolates, biochemical characteristics, antibiotics sensitivity 8827.

clinical isolates, hospitals, drug resistance, mercury 662.

clinical isolates, hospitals, drug resistance, mercury 662.

clinical isolates, plasmids, role, ambibotic resistance, Australia 7029.

clinical isolates, gusceptibility, antimicrobial agents 3281.

coagulase biosynthesis defective mutant, isolation methodology 9040.

conalbumin ambibacterial activity, microfora 5181.

conquation, plasmids, drug resistance, gentamicin 3273.

contamination, opats meat, frozen foods 5606.

deoxynboruclease, assays, false-negatives 1076.

deoxynboruclease defection, heat stability, food contamination 9278.

detection, media (selective) methodology, association, food contamination 5416.

DNA, isolation, methodology 8121.

Eiro hospitals isolates, ambibotic resistance, gentamicin, methicillin, ancipatologistes, ambibotic resistance, gentamicin, methicillin, or 1762.

electronic methodology 8121.

Eiro hospitals isolates, ambibotic resistance, gentamicin, methicillin, ancipatogologistic, political proportional pr antibacterial activity, Cephalosporins derivatives, structure-activity relationships 8840. relationships 8840, antibacterial activity, derivatives, kanamycin, dibekacin, ribostamycin 8853, antibacterial activity, diterpenoids, Stoechospermum marginatum 3315, antibacterial activity, halogenoforic compounds 2438, antibacterial activity, halogenoforic compounds 2438, antibacterial activity, Helichrysum plicatum extracts 2443, antibacterial activity, Micromonospora verruculosa antibiotic M-92 6194, antibacterial activity, N,N-bis(alkylmethyl)-1,2-erbanediamine dioxides, N,N-bis(alkylmethyl)-1,2-erbanediamine dioxides, structure-activity relationships 7954. 7395
enterotoxin B, biosynthesis, culture methodology, purification 2963.
enterotoxin B, biosynthesis, culture methodology, purification 2963.
enterotoxin B, transport, processing 2081.
enterotoxin C, radioimmunoassay solid phase methods 9295.
enterotoxin F, purification, characterization 4905.
enterotoxin F, purification, characterization 9297.
enterotoxins, detection, enzyme-linked immunosorbent assay, immunodiffusion 6710.
enterotoxins, enzyme-linked immunosorbent assay, milk 1109.
enterotoxins, production, growth, sandwinches, packaging 1091.
enterotoxins, purification, physicochemical properties 7644.
enterotoxins, reviews 6723. 7395 antibacterial activity, N,N'-bis(decylmethyt)-α,ω-alkanediamine dioxides antibacterial activity, N-formimidoyl thienamycin+amikacin 1660. antibacterial activity, N-(2-hydroxypropyl)-methacrylamide copolymers synthesis 7913. 7913. antibacterial activity, pharmaceuticals 8753. antibacterial activity, piperacillin 9757. antibacterial activity, polyethylene glycol 8774. antibacterial activity, shikonin-β,β-dimethylacrylate, Alkanna

```
Staphylococcus aureus, (continued)
enterotoxins, toxigenicity 7631.
enumeration, meat products 1083.
exotoxins, isoelectric focusing 7639.
exotoxins, isoelectric focusing 7639.
exotoxins, isoelectric focusing 7639.
F factor RPAL, aminoplycoside acetyltransferase, aminoglycoside phosphotransferase, kinetics, mechanisms 8271.
F factors, antibiotic resistance, drug resistance 2403.
food contamination, cheese, enumeration, survival 4797.
food contamination, cheese, enumeration, survival 4797.
food contamination, enumeration equipment 3575.
food contamination, meat, phage typing 2920.
food contamination, meat, phage typing 2920.
food contamination, meat, phage typing 2920.
food contamination, polic, cooking, kitchens 1066.
food contamination, polic, cooking, kitchens 1068.
food contamination, complex processing, selection, contamination, polic, cooking, kitchens 1068.
food contamination, polic, cooking, kitchens 1068.
grammination resistance, conjugate plasmids analysis 8738, gentamicin resistance, encodycoside antibiotics susceptibility 2413.
gentamicin resistance, mechanisms 7026.
gentamicin resistance, mechanisms 7026.
gentamicin resistance, peleptinity enhancement, role, N,N-dicyclohexylcarbodiimide, rigercin 8854.
growth, contamination, peleptinity enhancement, role, N,N-dicyclohexylcarbodiimide, growth, contamination, peleptinity enhancement.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Staphylococcus aureus, (continued)
5148.
serotyping, antisera, media (culture) effects on 881.
serotyping, antisera, media (culture) effects on 881.
serotyping, antisera, media (culture) effects on 881.
sodium hypochlorite decontamination, skin insue culture 8092.
spoilage, meat, organolepite properties 2038.
staphylococcin delection, Corynebacterium bioassays 6224.
survival, food, preservatives, effects on 6683.
D-tagatose-1,6-bisphosphate aldolase, purification, characterization 6426.
D-tagatose-6-phoshate kinase, purification, characterization 6426.
D-tagatose-6-phoshate kinase, purification, characterization 6426.
biapatose-6-phoshate kinase, purification, characterization 6426.
biapatose-6-phoshate kinase, purification, characterization 6426.
biapatose-6-phoshate kinase, purification, characterization assay 9939.
teichoric acid antibodies, detection, enzyme-linked immunosorbent assay 9939.
teichoric antibodies antibodies, reparation settle, detection antibodies, defection, enzyme-linked effects on 264.
thermal stability, numbication, entropication, tetracycline, doxycycline, minocycline antibodies, antibodies, purification, characterization 1876.
udder hygiene, teat dips, susceptibility, in vitro 6038.
use, coated vesicles isolation, immunoadsorption 884.
use, immunoabsorption, association, isolation methodology, Langerhans cells 5395.
vancomycin, infampicin, fusicia caid 3383.
vability, freeze-thawing, skim-milk 220.
valoity, utirestructure, fostomycin treatment effects on 7060.
Staphylococcus careus, antibacterial activity, benzoyl peroxide 7064.
Staphylococcus careus, antibacterial activity, benzoyl peroxide 7064.
antiba
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Staphylococcus aureus, (continued) 5148.
                        nigencin 8654.
growth, contamination, beef, packaging 272.
growth, enterotoxins biosynthesis, sodium chloride, potassium chloride, ripening, cheddar cheese 2037.
growth, food addiffives effects on 8469.
growth, food, mathematical models, water activity 8468.
growth, mayonnaise, meat, refrigeration 229.
growth, sugar inhibition, association, wound infection treatment, man, in vitro 7056.
                        growth, water activity, media solutes 864. 
heat resistance, sodium chloride, eggs effects on 4848. 
histology stains, scanning electron microscopy 866. 
identification 3564.
                        identification 3564. identification, clumping 6324. identification, flumping 6324. identification, fibrinogen hemagglutination use 844. identification, latex agglutination methodology 7235. identification methodology 9960. isolates, hospitals, antibiotic resistance 8732. isolates, milk, entertoxins toxigenicity 6716. isolation, characterization, abscesses, pigs carcasses 5619. isolation, characterization, abscesses, pigs carcasses 5619. isolation, characterization, abscesses, pigs carcasses 5619.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     antibacterial activity, fosfomycin 7184.
antibacterial activity, teichomycin 7183.
antibacterial activity, teichomycin comparison, vancomycin 8899.
antibiotic resistance 3292.
                        Isolation, characterization, abscesses, pigs carcasses 5519.
isolation, milk, meat 382-5.
isolation, nasopharynx, medical personnel, operating theaters, hospitals, antibiotic resistance, antibiotic sensitivity testing 8990.
P-lactam antibiotics, antibiotic resistance, temperature effects on 3282.
P-lactamase, antibiotic obterance, B-lactama antibiotics, screening 637.
P-lactamase, guanidine hydrochloride, biguandie hydrochloride derivatives denaturation 3702.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ambacterial activity, teichorycin comparison, vancomycin 8899. antibiotic resistance 3292. antibiotic resistance 3292. antibiotic resistance development 6020. antibiotic sensitivity testing 7122. arbibiotics sensitivity 1281 7122. APT test, identification, bidyping 9910. APT test, identification, bidyping 9910. Cellocation antibioticis activity 3317. cellodizing antibioticis activity 3317. cellodizing antibioticis activity 742. clinical isolates, biochemical characteristics, antibiotics sensitivity 8827. clinical isolates, biochemical characteristics, antibiotics sensitivity 8827. cinical isolates, milk, meal 3826. plactamase, antibiotic testistance, gentamicin 3273. fructose-bisphosphate aldolase active sites, amino and sequence 961. heat resistance, antibiotic relational statistics, and sequence 961. activity 3826. plactamase, antibiotic resistance, plactam antibiotics, screening 637. iactic acid biosynthesis 8206. methicillin antibiotic resistance, plactam antibiotic resistance 7046. teichomycin A2 antibacterial activity 7077. trapping, fibrin polymerization 2698. trimethopinm drug resistance 4279. Staphylococcus hemorphylicus, antibiotic resistance activity, antibiotic synergism, vancomycin± gentamicin± rifampicin 7126. plasmids transfer aminoglycoside antibiotics antibiotic resistance 7046. Staphylococcus hemorphylicus, antibiotic resistance, heavy metals resistance 3279. Staphylococcus nutans, conalbumin antibiacterial activity, microflora 5181. Staphylococcus poperance, scalation activity, microflora 5181. Staphylococcus poperance, poperance microgranism.
                  ß-lactamase, guanidine hydrochloride, biguanide hydrochloride derivatives denaturation 3702.

ß-lactamase inhibition, iodopenicililanate, bromopenicillanate 3404.

lactic acid biosynthesis 8206.

liquid culture, media (selective) 1801.

hysis, albumin fysozyme antibacterial activity 7052.

lytic enzymes, isolation, characterization 92.

mastitis, disease control, quatemary ammonium compounds, teat dips, antibacterial activity, cattle 1728.

media (selective), celi culture temperature relationship 2661.

menaquinone biosynthesis, precursors, enzymes, genetic control, reviews 6628.

methiciliin antibiotic resistance 8740.

methiciliin antibiotic resistance 8740.

methiciliin antibiotic resistance 8740.

methicilin ensitivity, cloxacillin disc-diffusion test 539 micrococcal endonuclease biosynthesis, carbon dioxide effects on 9182.

milii, enterotxins production, deoxyribonuclease production 2965.

netilmicin antibacterial activity 7152.

norfloxacin antibacterial activity, comparison, nalidixic acid, cinoxacin, oxolinic acid 5197.

nose clinical isolates, antimicrobial agents sensitivity 3313.

nosocomial infection, gentamicin resistance 649.

oracilino labetorial activity, factors affecting 2547.

vascillin bacterial activity, factors affecting 2547.
                     activity 3423.

oxacillin bactericidal activity, factors affecting 2547.

pasteurized milk, Feeding trials, cattle, juveniles 4869.

penicillin-binding protein, affinity certazidime, artibacterial activity 8835.

penicillin-binding protein, binding clavulanic acid, subactam, effects on antibacterial activity 7134.

penicillin-binding protein, binding, monobactams, association, antibacterial activity 3375.

19 effects on survival. *freeza-throwing.** med 4916.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       conalbumin antibacterial activity, microflora 5181.

Staphylococcus pyogenes, siolation, operating theaters, control, pathogens, airborne microorganisms 7206. tetracycline sensitivity 7077.

Staphylococcus saprophylicus, adherence, plastics 3492. antibiotic sensitivity testing 7122. chinical isolates, aritimicrobial activity, antibacterial activity 680. lytic enzymes, isolation, characterization 92. novobiocin, antibiotic sensitivity testing 8879. trimethoprim drug resistance 4279. urease biosynthesis, isolation 7399. urease biosynthesis, isolation 7399. urease biosynthesis, isolation 7399. stracellular enzymes biosynthesis, amino acids, cyclic AMP, effects on 2792. lytic enzymes, isolation, characterization 92.
                     activity (3375-
ph effects on, survival, freeze-thawing, meat 4816.
phage typing 883.
phagocytosis, phagolysosomes, pH intracellular levels, bactericidal activity,
aminoplycoside artibiotics, rifampicin 9733.
phosphaticylinosidi specificity phospholipase C, purification, characterization
                        phosphocarrier protein, subunit structure, active sites 4.
               phosphocamer protein, subunit structure, active sites 4, phospholipid composition, methicillin artibiotic resistance 9648, piromidic acid antibacterial activity 1556. plasmids, antibiotic resistance, gentamicin, methicillin 6019, plasmids, antibiotic resistance, gentamicin, methicillin 6019, plasmids transfer aminoglycoside antibiotics antibiotic resistance 7046, poly(hexamethylene biguanide hydrogen chloride), antibacterial activity 2450, poly(h-benzyr-4-vinylpyridinium bormide), removal, water treatment, methodology 9046.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            aggregation, association, Haemophilus ducreyi detection 3583.
Aureobasrdium pullulans, growth rate, exo-1,4-a-D-glucosidase 6403.
Bacillus sublisia a-amylase, immobilized enzymes, activity association, non-inearity 9134.
               9046, propolis + artibiotics antibacterial activity 6058. protein A, solid phase methods, enzyme immunoassay, urine albumin 5397. protoplasts fusion, gene mapping, computer applications 4508. radiosensitization, p-hydroxybenzolc acid 5173. recovery, animals, pleural fluid, synovial fluid, media methodology 3609. recovery methodology, media (culture), neutralization 5425. respiratory tract infection, bekanamycin treatment, man, antibacterial activity 6186.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            indegradation, activity, Aspergillus awamori var kawachi chitin immobilized enzymes, c-amylase 106. biosynthesis, photosynthesis, algae, symbiosis, bacteria 3708. Cucumber mosaic virus, infection, Nicotiana tabacum, effects on, ultrastructure
```

o 186. rifampicin± oxacillin, bactericidal activity 59:63. Rocael-D antibacterial activity 79:18. sensitivity, fosformycin± amoxicillin 60:40. septa, peptidoglycans, biosynthesis, role, methicillin, antibiotic resistance

3076. degradation, association ethanol production 1051. effects on, bacteria growth, crop residues digestion, forage quality 4860. fermentation, glucose biosynthesis, bacteria α-amylase use 4699. fermentation, production, ethanol, selection, yeasts, strains 3756.

Starch, (continued)
formentation, Zymornonas mobilis, ethanol production 9233.
hydrolysis, α-amylase, Bacilius circulans 6520.
hydrolysis, α-amylase, Bacilius circulans 6520.
hydrolysis, ανο-1,4-α-D-glucosidase, Trichoderma viride 6499.
hydrolysis, ανο-1,4-α-D-glucosidase, Endomycopsis fibuligera 6498
hydrolysis, Schwanniomyces alluvius, derepression mutants 8452.
metabolism, ethanol fermentation, yeasts 5570.
nutrient sources, Aspergillus oryzae, lipids production 2855.
yeasts, lactic acid bacteria, fermentation control 8412.
Starches,
conversion, ethanol, mixed culture, Saccharomycopsis fibuliger+Zymomonas mobilis
7529. Triticum aestrvum 4075. Puccinia graminis f.sp.tritici, disease resistance, Triticum aestrvum, genetic analysis 493.

Puccinia graminis f.sp.tritici, pathogenesis. Triticum aestivum 9351.

Puccinia graminis f.sp.tritici, photosynthesis inhibitors effects on, Triticum aestivum 3948. aestrum 3948.

Puccinia gramnis f.sp.tritici, races, overwintering, Triticum aestivum, USA,
Texas, Mexico 4961.

Puccinia gramnis f.sp.tritici races, virulence, Triticum aestivum 4958.

Puccinia gramnis f.sp.tritici, strains, characterization, Triticum 3944.

Puccinia gramnis f.sp.tritici, virulence gene frequency, Triticum aestivum, disease resistance, Hungary 7735.

Triticum, disease resistance, measuring techniques, DNA, hybridization 449.

Triticum, disease resistance, measuring techniques, DNA, hybridization 449. 7529 Starter cultures, cheddar cheese, milk, contamination, phages 4804.
cheese, milk termetation, santibiotics levels, milk 8482.
goats milk termetation 1698.
goats goa Starter cultures Triticum, Puccinia gramınıs, disease control, Barbens vulgarıs eradication, USA 1389 Stem spot, Stem spot,
Helianthus annuus, Alternaria helianthi infection 1255.
Stemphyllum botryosum,
leafspot, Medicago sativa 5670.
leafspot, Medicago sativa 6580.
leafspot, Medicago sativa disease resistance, screening 6860.
leafspot, pathogenesis, light, relative humidity effects on, Medicago sativa 1141.
Stemphyllum globuliferum,
leafspot, Medicago sativa 5670.
Stemphyllum lott,
β-glucosidase activity, detection, azo dyes 2713.
immobilized cells, cyanide hydratase, cyanide detoxification 9982.
Stemphyllum vesicarium,
leafspot, Medicago sativa 5670.
purple spot, pathology, Asparagus officinalis 1296. evaluation 9269. evaluation 9209. Streptiococcus lactis, effects on ripening, proteolytic enzymes, organoleptic evaluation, Cheddar cheese 9271. Streptococcus lactis inhibition, Streptococcus cremoris 7580. Streptococcus lactis, mutants, lactose fermentation, cheddar cheese, production Asschynomene, nodulation, Rhizobium, characterization 7836. Chrysanthemum morifolium, Pseudomonas cichorrii necrosis outbreaks, USA, Florida 5023 7570
Streptococcus, Lactobacillus, kefir 186.
Streptococcus, plasmids isolation, methodology 4493.
Streptococcus thermophilus, acid production, water content, cheese 8462.
Streptococcus thermophilus, Lactobacillus bulgaricus, antimicrobial activity, vitamins, -b-D-galactosidase activity, yoguri 7591.
temperature, lactic acid bacteria, buttermilik production 4802.
thermophilic bacteria, fermentation, acidic curd cheese 8459.
yoghuri, relationship, milk, Streptococcus thermophilus, Lactobacillus bulgaricus 3848. Glycine max, Macrophomina phaseolina saprophagy, herbicides effects on 2380. Lycoperasion esculentum, detection, Phoma exigua var.foveata infection 4031. Lycoperasion esculentum, Pseudomonas corrugata necrosis incidence, USA, Flonda Papaver somniferum, Sclerotinia scierotiorum infection, effects on morphine production, distribution 6812. trees, isolation, Cylindrocladium, Fusarium, media (selective) 6352. Vitis vinifera, oxidation pretreatment, biodegradation, rumen microorganisms viter potential, relationship, electrical properties, Verticillium dahliae infection, Acer rubrum 2311.
Zea mays, nitrogen fixation 8699.
Stenella bougainvilleae e p.nov., isolation, host plants, Bougainvillea spectabilis, taxonomy 1254.
Stenocarpella macrospora, stenocarpella maydis, Zea mays, USA 6780.
Stenocarpella maydis, pathogenicity, comparison. Stenocarpella maydis, Zea mays, USA 6780.
Stenocarpelia maydis, pathogenicity, comparison. Stenocarpella macrospora, Zea mays, USA 6780.
Stenocarperia maydis, pathogenicity, comparison, Stenocarpelia macrospora, Zea mays, USA 6780.
Stenocarperia mydis, pathogenicity, comparison, susceptibility, infection, Pyricularia grisea 7665.
Panicum mosaic virus infection 4948 plant viruses, plant diseases, characterization 4950.
Sclerophthora macrospora infection, disease resistance 9470.
Steppes, 2009 Starvation Startvation, iron, electrophoresis methodology, siderophores detection 8090.

Statistical analysis,
bacteria, counting methods 1793.
methodology, animicrobial agents susceptibility, Escherichia coli 1795.
Puccinia striformis, stripe rust, epidemiology, friticum aestivum 2125.
sampling, bacteria cell culture, species diversity measurements methodology 870. Staurosporine, Streptomyces, structure 4724. coording to the coording of the coordinate of the co Steffinycinone, antibacterial activity 8775. Stellaria media, disease reservoirs, tomato ringspot virus, prunus 1209. Stem bilght, Cucumis, epidemiology, relationship, powdery mildew, pest attack 1248. Scieroprinate metasospherical structure, nutrient dynamics 1448. Stereochemistry, bluensomycin 1622. lysine-2, 3-amnomutase, Clostridium subterminale 75. Cucumis, epidemiology, relationship, powdery minoew, pust auac. 22.

Stem canker,
Botryosphaeria corticis, Vaccinium corymbosum, incidence, USA, New Jersey 6831.
Cytospora chryospera, histopathology, Populus maximowiczii 9520.
Diaporthe, pathology, Helianthus annuus 8594.
Diaporthe, phaseolorum var.caulivora, Glycine max, epidemics 9327.
Fusarium solani, Ipomoea batatas 5000.
Glycine max, virulence, Diaporthe, Phomopsis 3925.
Promopsis alnea, Alnus glutinosa 5868.
Phizoctonia solani, disease control, iprodione, benodanii, thiabendazole, Solanum tuberosum 5055.
Stem rot,
Alternaria alternata, association, benomyl, disease control, blue mold, iysnite-z-saminiomitasse, consumente autominate 73.
mycinolide IV, X-ray crystallography 1652.
ornithine decarboxylase, lysine decarboxylase, arginine decarboxylase, Escherichta coli. Bacilitus cadavens 6506.
phosphoenolpyruvate-fructose phosphotransferase mechanisms, Escherichia coli 82. Stereum, Larix defoliation, association Adelges grazing 540. Earth derohation, association related Stereum complication, USA mines forest products biodegradation 7792. Stereum gauaspatum, USA mines forest products biodegradation 7792. Osh rillines tropics probate sorbigatation of the control of the c Item rot,
Altemaria alternata, association, benomyl, disease control, blue mold, Penicillium expansum, Pyrus communis 9373.
Diffenbachia maculata, Fusarium solani 1268.
Drechslera cactivora, Rhipsalidopsis gaertneri 1261.
Exacum affine, Nectria haematococca infection 1262.
Fusarium roseum, Pseudotsuga menziessii seedlings, Pseudotsuga menziessii, seedlings, Fusarium roseum stem rot 5875.
Glycine max, disease resistance, measuring techniques 6869.
Persea grattisima, disease control, prochloraz 6833.
Philophora gregata, disease resistance, plant breeding, Glycine max cultivars 5040.
Pulsiophora gregata, disease resistance, plant breeding, Glycine max cultivars 5040. pretreament, increases Sterility, air, filtration, aeration, fermentation 7119, air, filtration, aeration, fermentation 7119, cattle, feeds contamination, fungi, mycotoxins 4890, medical equipment, hydrogen peroxide, glutaraldehyde, sanitizers 5227. Sterilization,
Bacillus thuringiensis, temperature time, effects on 4323. bacteria, packaging 4321. bottles 4874. 5040.
Phialophora gregata, disease resistance, plant breeding, Glycine max 9457.
Phoma lingam, disease control, agricultural practices, Brassica napus 495.
Pythium ultimum, wounds healing, cuttings, Pelargonium 5745.
Phizoctonia solani, interaction root rol, Fusarium solani f.sp.pisi, Pythium ultimum. Aphanomyces euteiches, Pisum sativum 9328.
Rhizopus arrhuzus, pathology, Nicotilana glauca 5762.
Scierotium oryzae, Oryza, disease resistance 9469. bottles 4874. bottles 4878 bottles contamination source, microorganisms, wineries 258. canning, food processing 268. canning, food processing 268. cleaning systems, breweries 5336. death kinetics, microorganisms, media (culture) 7963. dental sealants 6284. ethylene oxide, indicator species, Bacillus subthiis subsp.niger, factors affecting 4322. filtration, air flow, fermentation 8348. heat transfer, canning 2059. heat treatments, association, microorganisms reactivation 2499. lactose solutions, heat, Thermomonospora growth inhibition 2907. measuring techniques 5226. media (culture) equipment, y radiation 707. Scientium onyzae, Oryza, disease resistance 9465.

Stem rust,
Cronartium, Pinus, Rodentia, feeding damage 2318.
disease resistance, genetic analysis, Triticum aestivum 1348.
disease resistance, Triticum aestivum, genetic control 7731.
disease resistance, Triticum aestivum, genetic control 7728.
plant breeding, disease resistance, Triticum aestivum 447.
Puccinia graminis f.sp.avenae, Avena sativa, virulence 9362.
Puccinia graminis f.sp.avenae, epidemiology, Avena sativa, USA, Texas, Mexico
4962. measuring techniques 5226, media cultive) equipment, γ radiation 707, medical cultive) equipment, γ radiation 707, medical instruments, paraformaldehyde tablets use 5228, methodology, formaldehyde gases 5801. methodology, fungal flora, Thalassia testudinum leaves 3623, methodology, Gaeumannomyces, seeds, Triticum 5846, microwave radiation, culture systems plastics, bacteria 708, milk, γ radiation 8496. Puccinia graminis f.sp.dactylidis, genetic analysis, Dactylis glomerata 357.
Puccinia graminis f.sp.tritici, disease resistance, plant breeding, Triticum aestivum 8603.

Stem rust, (continued)

Puccinia graminis f.sp.tritici, disease resistance, role proteins metabolism

```
Sterilization, (continued)
Pleurotus sajor-caju spores 4516,
potatoes processing, packaging 4801,
y radiation, medical importance 9707,
soils (loam), effects on nitrogen content, soil microorganisms, bacteria,
respiration 6977.
                                                                                                                                                                                                                                                                                                                                                           Storage, (continued)
                                                                                                                                                                                                                                                                                                                                                                 soils (loam), effects on nitrogen content, soil microorganisms, bacteria, respiration 6977.
                                                                                                                                                                                                                                                                                                                                                                    Solanum tuberosum, effects on disease resistance, Erwinia chrysanthemi,
                                                                                                                                                                                                                                                                                                                                                                   Solarium tuberosum, enecis on oilease resistance, Erwinia chrysanthemi, post-harvest decay 7721. 
starter cultures, dary industry 2033. 
Streptococcus pneumoniae, Haemophilus influenzae, clinical isolates, association, survival 2681.
             respiration 697/7.
Tomatoes juices, canning, baths 262.
Veterinary medicine, disinfection 6274.
water, U.V. radiation, effects on bacteria 4325.
wine, dimethyl dicarbonate fungicidal activity, Saccharomyces cerevisiae 2868.
wine, littration, methodology 3861.
                                                                                                                                                                                                                                                                                                                                                        survival zool: htm. bagasse, effects on post-harvest decay, fung. 5030. 
mine, lactic acid bacteria incidence, ethanol fermentation 9243. 
yeasts, culture collections, nitrogen (iliquid), freezing $150. 
yeasts processing, baking, physicochemical properties 5621. 
Storage conditions,
     Sterilizers,
   Sternizers, sampling, methodology 8802.

Sterold 9a-monoxygenase, purification, characterization, Nocardia 976.

Sterold-binding protein, purification, characterization, Pseudomonas testosteroni 1837.

Sterolds,
                                                                                                                                                                                                                                                                                                                                                                 torage conditions,
Cosmos sulphureus seeds, effects on fungal flora 4048,
effects on, Alternaria solani, infection, Solanum tuberosum 4007.
effects on Aspergillus infection, Vigna radiata seeds 2111,
effects on Fihizoctoma solani survival, bulbs, Tulipa, Iris 3973.
effects on, virulence, Culex pipiens, Metarhizium anisopliae, conidia, viability
           bacteria, fungi, immobilized cells, transformation, reviews 3706. biosynthesis, utilization, technology, microorganisms 4699. conversion, bacteria enzymes 7433. conversion, bacteria enzymes 7433. conversion, immobilized cells, immobilized enzymes, reviews 3707. conversion, microorganisms catalysts 5530. hydroxylation, glucose, effects on, Pellicularia filamentosa 6564. hydroxylation, Pellicularia filamentosa 109. hydroxylation, Pellicularia filamentosa 109. hydroxylation, use, microorganisms, reviews 7218. Nocardia erythropolis, enzymes, sterols biodegradation 1948. transformation, immobilized cells, Arthrobacter globiformis, Saccharomyces cerevisiae 4697.
              bacteria, fungi, immobilized cells, transformation, reviews 3706.
                                                                                                                                                                                                                                                                                                                                                                7480. 
fishery products, carbon dioxide, nitrogen, temperature, effects on, Pseudomonas, Moraxella, Lactobacillus 8498 forests, soil, dryng, soil microorganisms, species diversity 5856. 
meat, shelf life, bactena levels 7598. 
Pseudomonas marginalis soft rot, post-harvest decay, tomatoes 9453. 
seaflood, carbon dioxide, effects on spoilage 2921. 
seaflood, spoilage bacteria, chlorotetracycline+sodium chloride treatment effects
                                                                                                                                                                                                                                                                                                                                                                 Streptomyces griseus, effects on, viability, grisin production 8120. wheat gluten, biodegradation, microorganisms 2915.
     transformation, immobilized cells, Arthrobacter globiformis, Saccharomyces cerevisiae 4697.

Sterol composition,
Candida albicans, plasma membranes, antibiotic resistance, nystatin 3277. lycopersicon esculentum fruits, association, pathogenicity, Fusarium solani 7049. Lycopersicon esculentum, role, late blight pathogenesis, light intensity effects on 5785.
                                                                                                                                                                                                                                                                                                                                                        wheat guien, blooegradation; microorganisms 2919.

Stored products,
fungi, spoilage 436.
grain, fungi, degradation, malathion, Aspergillus glaucus 7557.
pest control, Ephestia cautella, Plodia interpunctella, captan, compatibility,
                                                                                                                                                                                                                                                                                                                                                                 pest control, epinesia cautella, riodia interpunctella, capitan, compatibility, 
Bacillus thuringienisis 7495, 
pest control, Ephestia cautella, Plodia interpunctella, captan, compatibility, 
Bacillus thuringiensis 8351. 
sorghum, post-harvest decay, fungi, effects on growth Insecta 5799.
             Saccharomyces cerevisiae, association, selection, wine production 3759.
     Sterois.
          Netrolis, Nocardia erythropolis enzymes 1948, biodegradation, Nocardia erythropolis enzymes 1948, biodegradation, Nocardia, media (culture) effects on 2893, biosynthesis, Candida parapsilosis, natfiffine, antiffungal activity 7930, biosynthesis, Saccharomyces cerevisiae, antiffungal activity 7930, biosynthesis, Saccharomyces cerevisiae, antiffungal activity, imidazoles 7936, demethylation, fungicides, inhibition, Saccharomyces cerevisiae 4117, metabolities, biodegradation, Mytilus edulis, microorganisms 7554, production relationship, ergosterol biosynthesis defective mutant, Saccharomyces
                                                                                                                                                                                                                                                                                                                                                                   Rhizobium identification, antibiotics use 887.
                                                                                                                                                                                                                                                                                                                                                        Hnizobium identification, antibiotics use 890.

Strasseria oxycocci,
black rot, pathology, Vaccinium macrocarpon 4050,
black rot, pathology, Vaccinium macrocarpon 4050,
                                                                                                                                                                                                                                                                                                                                                       Straw, bedding, mycotoxins isolation, Stachybotrys atra, toxicity, sheep 4897. biddegradation, microorganisms, role, soil, volcanic ash, stabilization 5091. biddegradation, Pleurotus ostreatus 5897. biddegradation, Pleurotus ostreatus 5897.
             cerevisiae 9187.
wine fermentation role, Saccharomyces 4743.
   wine termentation role, Saccharomyces 4743.

Steryl esters,
content, Lycopersicon esculentum, Phytophthora infestans infection, relationship,
susceptibility 3983.

Steryl glycosides,
content, Lycopersicon esculentum, Phytophthora infestans infection, relationship,
susceptibility 3983.
                                                                                                                                                                                                                                                                                                                                                               biodegradation, Pleurotus ostreatus 5587.

biodegradation, numen microorganisms, association, hydrolysis, oxidation 4751.
biodegradation, biol bacteria, phytotoxicity 8419.
carbohydrates, biodegradation, tungi 8440; ellulose biodegradation, Penicillium conylophium 3216.
cellulose biodegradation, Penicillium conylophium 3216.
cellulose biodegradation, Trichoderma 75340, Agaricus bisporus nutrition 2923.
composts, microorganisms biomass, association, C/N ratios 6966.
degradation, Trichoderma reseal cellulase, Trilicum aestivum cultivars effects on 8415.
  Steviol, use, Gibberella fujikuroi, gibberellins synthesis 5558.
  use, calcoereia rujikuron, giopereilins symmesis 5558.

Stibbella cinnabarina,
stem rot, Persea grattisima, disease control, prochloraz 6833.

Stipnortia salicia,
pest control, biological control, Bacillus thuringiensis 3718.

Stimulanta,
yeasts, effects on, Streptomyces levoris, biosynthesis, biotin, levorin, coenzyme
A 8021
                                                                                                                                                                                                                                                                                                                                                     oegracation, Inchocerma reesei cellulase, Imicum aestivum cultivars effects o 8415.

fermentation, solid-phase methods, fungi cultures 8444.

+food wastes substrates, methane hydrogen fermentation 5995.
lignin biodegradation, fungi 171.

+manure mixtures, methane production 9630.
nitrogen fixation, Clostindium butyricum 3216.

Oryza sativa, fermentation, Penicillium janthinellum, biomass production 7564.

Oryza sativa, hydrolysis, cellulase, Trichoderma reesei 7430.

soli amendment, effects on nitrogen fixation, rhizosphere, Zea mays 9598.

substrate, Coprinus mutarits, cellulase, Trichoderma reesei 7430.

Triticum, sestivum, Pleurotus ostretust-s-Erwinia carotovora, culture, effects on, nutritive value, Ruminatia 254.

Triticum, production, single-cell protein, Myrotheclum vernucaria 1084.

triticum, Vicia faba, composting, mesophilic fungi colonization 3781.

Triticum, Vicia faba, composting, thermophilic fungi colonization 3780.

use, Penicillium janthinellum, growth, protein biosynthesis 8211.

Strawberry latent ringapot virus, Vits vinifera 2178.

Streak,
                     A 8021
   Stoechospermum marginatum,
diterpenoids, antibacterial activity, Staphylococcus aureus 3315.
   Stomata,
Ulmus, mycopiasma-ine urganism, and prophology 7070. 
storage, actinomycetes, antibiotics sensitivity, morphology 7070. 
antigenic characteristics, preservation viruses, phosphorous tungstic 
acid+ammonium molybdate 7226. 
association, tobacco leaves post-harvest decay, thermophilic fungi 8599. 
barley, factors affecting, fungi disease control 7724. 
barley, post-harvest decay, long-term effects, microorganisms 1321. 
breast milk, effects on cytomegalovirus 1079. 
carbon dioxide, disease control, post-harvest decay, blueberries, fungi infection 
3106.
           Ulmus, mycoplasma-like organisms yellows effects on 3171.
           chickens feeds, y radiation effects on 8492.
           corn, spoilage, association, mycotoxins production fungi 2069.
com, wheat, food contamination, Aspergillus 443.
effects on cytokinins, mushrooms, food spoilage 3816.
effects on Immunogenicity, vaccines, mumps virus, measles virus, rubella virus
                                                                                                                                                                                                                                                                                                                                                                etiology, viruses, Persea americana 9372.
                                                                                                                                                                                                                                                                                                                                                     etiology, viruses, Persea americana s/3/2.

Streams,
Campylobacter fetus subsp.jejuni, waterborne diseases 6260.
sediments, wood decomposition, bacteria 2885.
surface water, water quality, environmental impact, cattle, grazing, USA,
Colorado 8973.

Streblus asper,
extracts, antiviral agents, vaccinia virus 3343.

Streptococcus,
antificiatic registance saliromycin feeding chickens effect
                     4429
           effects on spoilage, yeasts, coliforms, meat products, taste panel evaluation
         4771.

Erwinia carotovora culture collections, pathogenicity, soft rot 2239.

+freeze drying effects on Bacillus brevis spores viability, gramicidin S biosynthesis 9783.

fungi, nitrogen (liquid), culture collections 4540.

fungi, plant extracts antifungal activity 7934.

gases composition, Lactobacillus, spoilage, frankfurters, pork 5639.

gram, contamination, aflatoxin B1, fungal flora 7616.

levorin, stability time association 1654.

levorin, stabilitzation association 2594.

microprogramisms, culture collections 5363.
                                                                                                                                                                                                                                                                                                                                                                animal isolates, antibiotic resistance, salinomycin feeding, chickens effects on
                                                                                                                                                                                                                                                                                                                                                                animal isolates, chemotherapeutics sensitivity 5193.
                                                                                                                                                                                                                                                                                                                                                            animal solates, chemotherapeutics sensitivity 5193. antibacterial activity, cefactor, cefadroxi 1731 antibacterial activity, cysteme 3319. antibacterial activity, cysteme 3319. antibacterial activity, dimethyl sulfoxide ± antibacterial activity, macrolide antibiotics 8041. antibacterial activity, macrolide antibiotics 8041. antibacterial activity, teichomycin, vancomycin 8011. antibiotic sensitivity testing 1598. antibiotic sensitivity testing 19718. antibiotic sensitivity testing 19718. antibiotic sensitivity testing, use, tetrazolium reduction, methodology 9975. bispyridines, structure-function relationship, antimicrobial activity, dental pique 5252.
       levorin, stabilization association 2594
milki, organisms, culture collections 5363.
milki, organisms, culture collections 5363.
milki, dairies, bacteria, forod quality 4837.
milki, dairies, bacteria, growth, contamination 4832.
milk, psychrotrophic bacteria, growth 9273.
Mycobacterium, freezing, freeze-drying 1800.
nitrogen (liquid), Diplocarpon rosae conidia 3629.
retrigeration, milk, bacteria growth 4262.
retrigeration, milk, bacteria growth 926.
retrigeration, milk, bacteria growth 926.
retrigeration, milk, bacteria growth 926.
retrigeration, milk pseudomonas growth 4830.
retrigeration, retrigeration, retrigeration, residues 7512.
rumen anaerobic bacteria, viability 1802.
Saccharomyres, biomass chemical composition, wine fermentation residues 7512.
seafood, Crassostrea virginica, Mercenaria campechiensis, effects on bacteria
4765.
                                                                                                                                                                                                                                                                                                                                                             bispyrialnes, structure-futuro relationship, aliamin-
plaque 5222.
classification, serological tests methodology 9886.
clinical isolates, antibiotic sensitivity testing 724.
contamination, goats meat, frozen foods 5606.
          soil, effects on enzymes activity, soil microorganisms 5919.
```

Streptococcus, (continued) detection, media (selective) methodology, association, food contamination 5416. enterotoxins detection, food poisoning, man 3892. fecal microflora, media (solation) 3595. fecal microflora, speciation 6304. feces, indicator species enumeration, water sampling, light effects on 2625. feces, man, water resources, quantification 5322. food contamination, function meat, factors affecting spoilage 2029. §5-0-glucian, solation, characterization 9150. groups, antigens use, agglutination methodology 3563. identification, agglutination methodology 3563. identification, agglutination organization propriet applications 2672. identification states agglutination blood culture 5412. indicator species, microbial pollution, sediments, coastal waters 8065. lactic acid bacteria, plasmids DNA isolation 9047. lactic acid fermentation, milk products media methodology 5426. latex agglutination false-positives 9922. mastitis, sleases control, quaternary ammonium compounds, teat dips. antibacterial activity, cattle 1728. mastitis, isolates, antibiotic resistance, macrolide antibiotics, lincomycin, clindamycin 2398. mastitis, rolationary in development of the special polition, sediments, constitution of politic polition, sediments, constitution of politic polition, sediments, special politic polition, sediments, special polition, special polition, special politic polition, sediments, special polition, special politic Streptococcus faeclum, (continued)
growth conditions, relationship, β-lactam antibiotics, antibacterial activity
5249. heat resistance 2402. β -lactam antibiotics antibiotic resistance, role, penicillin-binding protein 4273
RNA association thymidylate synthase 4598, use pyruvic acid electrodes 8119.
Stephococcus group A, and a second seco mamnose, N.M.R. 7436.

Streptococcus group B, antibacterial activity, cloxacillin, methicillin, cefamandole 3409. antibatorial activity, cloxacillin, methicillin, cefamandole 3409. antibiotic sensitivity testing, β-lactam antibiotics 723. antibiotic sensitivity testing, media (culture), artibiotic resistance 7966. antigens detection, latex agglutination, ammioci fluid, monkeys 9938. clinical isolates, R-protein incidence 5833. Granada medium, use, identification 9976. identification, hippure and hydrolysis 9024. immunoassays 6327. β-lactamase, artibiotic tolerance, β-lactama antibiotics, screening 637. lactic acid biosynthesis 8206. polysacchardes est estalem, chemical composition 8334. Stolysacchardes isolation, chemical composition 8334. Stolysacchardes colation, chemical composition 8334. Stolysacchardes isolation, celebrated proposition 8334. Stolysacchardes colation, celebrated isolation 8334. Stolysacchardes isolation, celebrated isolation 9746. antibiotic solation, antibiotic sensitivity, resibiotin, penicillins, cephalosporins 9748. antibiotic sensitivity testing, cephalosporins 9748. Antibiotics antibiotic scientification, military vivia estimation, military vivia estimation, in military vivia estimati emolients 517.5.

Strepto-occus bovls,
carbohydrates effects on fungi patulin antibacterial activity 273.
cather unem microorganisms, media (isolation) use ribulosebisphosphate
carboxylase 7243.

B-lactam antibiotics antibiotic resistance, role, penicillin-binding protein
4273. neat resistance 2402. identification, agglutination methodology 9935. identification methodology 9949. indentification, agar+Autobac test 9908. infectious diseases, man, association, clinical isolates antibiotics p-tactam antionotes artinotote resistance, role, perioditin-binding p-4273.

Streptococcus cremoris,
Streptococcus cremoris,
fermentation effects on proteins, milk products production 4805.
fermentation effects on proteins, milk products production 4805.
fructose-bisphosphate adolase, purification, characterization 94.
inhibition Streptococcus lactis, starter cultures 7580.
lactate dehydrogenase, purification, characterization 4642.
phages, survival, cold storage 8103.
production, bacteriocins 2583.
starter cultures temperature, buttermilk production 4802.

Streptococcus diacetilactis,
starter cultures, fermentation, soybean milk 216.

Streptococcus diacetilactis,
aroma compounds production, mutation stimulation 7474,
fermentation effects on proteins, milk products production 4805.
phages, survival, cold storage 8103.

Streptococcus durans,
heat resistance 2402.

Streptococcus equiamilis, susceptibility 8826. β-lactam antibiotics antibiotic resistance, role, penicillin-binding protein 4273.
lactic acid binsynthesis 8206.
serolyping, 7253.
Streptococcus group G,
antibiotics antibacterial activity 719.
serolyping, Nigeria 1773.
Streptococcus lactis,
biosynthesis, monocarbonyls, association, cream ripening 205.
fermentation cattle colostrum proteins, effects on 246.
fermentation effects on proteins, milk products production 4805.
fermentation effects on proteins, milk products production 4805.
fermentation, milk+colostrum, food sources, juveniles, lactic acid bacteria 7599.
fructose-bisphosphate aldolase, purification, characterization 94.
β-D-galactosidase mutants, starter cultures, Cheddar cheese, organoleptic
evaluation 9269. 4273 fructose-bisphosphate aldolase, purification, characterization 94.

β-D-galactosidase mutants, starter cultures, Cheddar cheese, organoleptic evaluation 9269.

immobilization, sephanose 6317.

inhibition Streptococcus cremoris, starter cultures 7580.

inoculum, cheese, production 198.

mik, heat treatments effects on 8470.

mutants, lactose fermentation, starter cultures, cheddar cheese production 7570.

nizin biosynthesis, inactivation 2587.

phages, survival, cold storage 8103.

6-phosphoffuctokinase, purfication, characterization 6440.

production, bacteriocins 2583.

pyrivate kinase, purfication, characterization 6421.

starter cultures, effects on ripening, proteolytic enzymes, organoleptic evaluation, Cheddar cheese 9271.

starter cultures temperature, buttermik production 4802.

use, electrodes, arginine 679.

streptococcus lactifs aubap_clacetylactts, lactic acid bacteria, starter cultures temperature, buttermilk production 4802.

Streptococcus lactifs aubap_clacetylactts, lactic acid bacteria, starter cultures temperature, buttermilk production 4802.

Streptococcus mittor, periculon, encapsulation 9217.

Streptococcus mittor, penicillin, antibiotic tolerance 1620 penicillin susceptibility, diution tests, factors affecting 5179.

Streptococcus mitte, lactic acid biosynthesis 8206 heat resistance 2402.

Strepto-coccus equisimilis,
temperature effects on extracellular, protein biosynthesis 8214.

Strepto-coccus feecalis,
adenosinetriphosphatase, amino acid sequence 1911.
antibacterial activity, 8-lactam antibiotics 739.
antibacterial activity, atlactam antibiotics 4330.
antibacterial activity, atlactam antibiotics 4330.
antibacterial activity, aclocillin, periodilins, cephalosporins 8822.
antibacterial activity, ephalosporins derivatives, structure-activity
relationships 8840.
antibacterial activity, fosfornycin 7184. relationships 8840, antibacterial activity, fosfornycin 7184, antibacterial activity, gentamicin, ± ampicillin, ± cefathiamidine 7982. antibacterial activity, piperacillin 9757. antibacterial activity, rifamycin derivatives 8858. antibacterial activity, teichomycin 7183. antibiotic sensitivity testing, teichomycin, vancomycin 6202. 2.3-butylene glycol production 1040. cell injury, association, novobiocin, coumermycin 5280. clinical isolates, gentamicin resistance 6027. enzymes, aminoglycoside antibiotics antibiotic resistance 3291. fatty acids, gas chromatography, use. capillary column 5429. fermentation, milit+colostrum, tood sources, juveniles, cattle 7599. N-formimidolyth thenamycin, epentamicin, +tooramycin, antibiotic syne. penicilin susceptibility, dilution tests, factors affecting 5179.

Strepto-occus mitis, lactic acid biosynthesis 8205.

Strepto-occus mutans, antibacterial activity, extracts, Magnolia obovata, Magnolia officinalis 1559. antibacterial activity, extracts, Magnolia obovata, Magnolia officinalis 1559. antibacterial activity, 4.5-diallyli-2,3-dihydroxy-5-(p-allyliphenoxyl) cinnamic aldehyde, Magnolia obovata plant extracts 2433. N-formimidoyl thienamycin, +gentamicin, +tobramycin, antibiotic synergism, antibacterial activity 1623. heat resistance 2402.
indicator species, ground water microbial pollution 8979.
β-lactam antibiotics antibiotic resistance, role, penicillin-binding protein extracts 2433. bacteriocins, purification, characterization 6223. bacteriocins purification, characterization, antibacterial activity 8025. bacteriocins purification, characterization, antibacterial activity 3503. dental caries, man, chlorhexidine, antibacterial activity 3503. dental caries prophylaxis use fluoride varnishes, animal models 8994, dental cement-chlorhexidine gluconate antibacterial activity 677. dental plaque formation, photometry, in vitro 9025. dental plaque, sulvia, man, fluoride effects on 3502. dental plaque, sulvia, ran, fluoride effects on 3502. dental plaque, sulvia, caries offects on 8759. 4e7.5. Lactobacillus acidophilus lactacin B antibacterial activity 7172. poly(N-benzyl-4-vinylpyridinium bromide), removal, water treatment, methodology 9046 so-to-polypolyglutamate synthetase, purification, characterization 67. tyrosine decarboxylase assays, spectrophotometry 7345. Strepto-cocus fescalite subsp.liquefaciens, heat resistance 2402. heat resistance 2-9/2.

Strepto-occus feectum,
antibacterial activity, gentamicin, ± ampicillin, ± cefathamidine 7982.
feeds, pigs, effects on intestinal microflora 4859.
N-formimidoyl thienamycin, +gentamicin, +tobramycin, antibiotic synergism,
antibacterial activity 1623. dextransucrase inhibitors, mboothin structure 3686. dextransucrase inhibitors, mboothin structure 3686. dextransucrase, punification, characterization 55, dextransucrase, punification, characterization 54, extraoellular polysacchandes, carbohydrate composition 8326. fermentation, association, formate acetyltransferase 1. glucokinase, purification, criaracterization 6419.

```
Streptomyces, (continued)

β-amylase inhibitor, isolation, characterization 6523.

amylase inhibitor multiple forms, production, characterization 8303.

andicidin, biosynthesis, genes, cloning 8032.

antigonism, Phellinus werni, forests 2298.

antigonism, Phellinus werni, forests, forest activity, antifurgal activity, 764.

antibiotic SC4-X, purification, characterization, antibacterial activity, antifurgal activity, 364.

antibiotics biosynthesis, gene distribution 1594.

antibiotics biosynthesis, gene distribution 1594.

antibiotics, solation, soil 3390.

antibiotics, production, reviews 4332.

bestatin, synthesis 8399.

biodegradation, phospholipids, tiracylglycerols, cholesterol 2881.

biological control. Rhizoctonia bataticola root rot, Cicer arietinum 7455.

biosynthesis, leptomycin A, leptomycin B, physicochemical properties, antifungal activity, Schizosaccharomyces pombe, Mucor 8028.

carbon biodegradation, soils (volcanic) 1599.

cell walls biosynthesis, neopeptin inhibition 4396.

rop residues fermentation, gases environments, reviews 4723.

deoxypentalenylglucuron isolation, structure 6192.

elebiactone, structure, esterase inhibitors 2809.

elalphylin, structure, N.M.R. 3730.

ferensimycin biosynthesis, characterization 2567.

fungichromin, lagosin, cogomycin, comparison, physicochemical properties, biological properties 2591.

a-hydroxycoumarn, biosynthesis, antibacterial activity 4401.

iremycin, antibacterial agents 3438.

irumanolide i, rumanolide II, characterization 7377.

solation, pentalenolactone, structure 6205.

Plactatimase, purification, characterization 7397.
     Streptococcus mutans, (continued)
                 displacements, (continued)
glucokinase, purification, kinetics 2774.
1,3a-glucosytransferase detection, role, glucans production 4890.
glucosytransferase, fructosytransferase, production, continuous culture 972.
glucosytransferase multiple forms, isolation, characterization 7411.
                   growth, tin uptake, acid production, glucans production, stannous fluoride
                                  effects on 8771
                   levels, dental plaque, saliva, stannous fluoride mouthwashes effects on, man
     3500.

macromolecules biosynthesis, antibacterial activity, mecillinam, cefoxitin 7135. oral cavity isolates, xylitol bacteriostasis 8782. oral microflora prophylaxis methodology, children 8993. sucrose-6-phosphate hydrolase, purification, characterization 6414. Streptococcus pneumoniae, antibacterial activity, chloramphenicol, thiamphenicol 7154. antibacterial activity, oftsomycin 7184. antibacterial activity, moxalactam, cefoperazone 727. antibacterial activity, moxalactam, cefoperazone 727. antibacterial activity, "hormimidoyl thienamycin 2061. antibiotic sensitivity testing, aminoglycoside antibiotics, β-lactam antibiotics 6089.
               Clinical isolates, antibiotic resistance 3300. Clinical isolates, antibiotic sensitivity testing, antibiotic resistance 7985. Clinical isolates, R factors detection association, antibiotic resistance 5163. identification methodology 9960. B-lactam antibiotics antibacterial activity 717.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             irumanolide I, rumanolide II, characterization 9770. solation, pentiaenolactone, structure 6205 β-lactamase, purification, characterization 7397. lectins, purification, physicochemical properties 1967. leptomycin A, leptomycin B, structure 8029. liquids solubles± molasses, digestibility, cattle 4867. lytic enzymes, lysis, yeasts cell walls, single-cell protein 7583. macrolide antibiotics, biosynthesis 8919. "7-methoxy-3-deacetyleophaliosporin C isolation, characterization 7990. milbemycins biosynthesis, characterization 6217. mycelia, nystatin extraction, dimethyl sulfoxide use 8869. mycotrienin I, mycotrienin II, biosynthesis, structure 4424, naphthomycin B, naphthomycin C, isolation, structure 8907. peptides, immunostimulants, beptide synthesis 919. peptides, immunostimulants, spetide synthesis 919. peptides, immunostimulants, structure 918. phosphate solubilization, organic acids, soil 3187.
                 praction attuorists antibodistrial activity 717.

lactic acid biosynthesis 8206.
meningitis, diagnosis, latex agglutination 9957.
nasopharyrix isolates, antibacterial activity, cotrimoxazole, trimethoprim,
sulfamethoxazole 7066.
                 penicillin resistance 5155.
penicillin resistance mechanisms 5998
penicillin resistance sechanisms 5998.
penicillin resistance mechanisms 5998.
penicillin-binding protein, purification, characterization 912.
penicillim, chloramphenicol resistance, British Isles 648.
serotypes, antibiotic sensitivity testing 5230.
teichomycin A2 antibacterial activity 3222.
vaccines, composition, use, man, reviews 8049.
vaccines, immunogenicity, man 3454.
Streptococcus pyogenes,
antibacterial activity, synthetic gratisin 8884.
antibacterial activity, velichomycin 7183.
bactericidal activity, etichomycin 7183.
bactericidal activity, etichomycin 7183.
bactericidal activity, etichomycin 7183.
bactericidal activity, etichomycin 7183.
cefrotetan antibacterial activity 5198.
dental cement+chlorhexidine gluconate antibacterial activity 677.
exotoxins, ampholine, effects on, biological properties 2084.
growth, streptolysin O production, media (culture) 3895.
lactic acid biosynthesis 8206.
media (culture) 5411.
teichomycin A2 antibacterial activity 3322.
Streptococcus sellivarius,
bacteriocins production, antibacterial activity 4427.
oral microfflore prophylaxis methodology, children 8993.
Streptococcus sellivarius,
antibacterial activity, calcium hydroxide, dental restorative materials 6052.
dental plaque, surfactariats effects on 8759.
endocarditis isolates, neuraminidase production, isolation, characterization 7372.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 phosphate solubilization, organic acids, soil 3187 phosphate solubilization, soil 3214.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 pnosphate solubilization, uptake, Orya, sativa 3188. 
phosphoric acid antibiotics biosynthesis, antibacterial activity 6188. 
phystoxicity 9554. 
plants growth inhibitors, characterization 8383.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 plants growin ininitativis, characterization 2020.
polysaccharides, purification, characterization 2020.
production, carbapenem, derivatives, isolation, physicochemical properties 1649.
production DINA damage metabolites, detection, use Bacillus subtilis rec gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               assays 7246, production, tylosin, nikkomycin, mycelia, immobilized cells 1685, proteolytic enzymes, isoelectric focusing 5521, proteolytic enzymes, isoelectric focusing 5521, protoplasts, preparation, methodology 6322, protoplasts regeneration, relationship macroide antibiotics, biosynthesis 6166. Saccharum officinale rhizoplane microorganisms, soil, characterization 6978. Sarubicin B, biosynthesis, antibacterial activitry, gram-positive bacteria 3440, soil, production, antibiotics, reviews 4403. staurosporine structure 4724, strains, comparison, Streptomyces flavogriseus, β-D-glucosidase, activity 8290.
                 endocarditis isolates, neuraminidase production, isolation, characterization
endocarditis isolates, neuraminidase production, isolation, characterization 7372 extracellular polysaccharides, carbohydrate composition 8326. lactic acid biosynthesis 8206. macromolecules biosynthesis, antibacterial activity, mecillinam, cefoxitin 7135. oral cavity isolates, amoxicillin antibiotic resistance, relationship dental caries prophylaxis 8734. oral cavity isolates, xylinol bacteriostasis 8782. oral microflora prophylaxis methodology, children 8993. pyruvate kinase, purification, activity 2778.

Streptococcus thermophilus, association, Lactobacillus, enumeration, media (selective)+maltose 3571. cassin proteolysis 4800. +lactic acid bacteria, galactose fermentation, cheese production 8461. +Lactobacillus bulgaricus, mixed culture, yoghurt fermentation effects on sugars 3829.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                subilisin inhibitor, N.M.R. 4587.
subilisin inhibitor, dimers dissociation 917.
subilisin inhibitor, dimers dissociation 917.
subilisin inhibitor, dimers dissociation, polarography 6518.
subilisin subilisin inhibitor complex dissociation, polarography 6518.
subilisin subilisin inhibitor complex dissociation, polarography 6518.
subilisin subilisin inhibitor complex dissociation, properties 6190.
tetracycline biosynthesis parameters, fermentation equipment 8871.
thiostrepton, structure, N.M.R. 8913.
xylan biodegradation, xylanase biosynthesis 1060.
xylose isomerase biosynthesis, xylose isomerase, biosynthesis, Streptomyces 2798.
Streptomyces albofaciens, deoxypentalenyighucuron isolation, structure 6192.
Streptomyces albofaciens, discount of the streptomyces albofaciens, tetrafungin, properties, streptomyces albus, tetrafungin, comparison, nystatin 9771.
Streptomyces albus, menagumone structure, psectroscopy, taxogomy 5552.
--methyl-3-lill, VIIII, X-octahydromultiprenyl-1, 4-naphthoquinone, isolation, characterization 1981.
muramoyl-pentapeptide carboxypeptidase, amino acid sequence 2788.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   subtilisin inhibitor, N.M.R. 4587.
             Lactobacillus bulgaricus, yoghurt starter cultures, relationship, milk 3848. milk, heat treatments effects on 6664. starter cultures, acid production, water content, cheese 8462. starter cultures, antimicrobial activity, vitamins, -b-D-galactosidase activity, yogurt 7591.
yogurt 7591. starter cultures, fermentation, soybean milk 216. 
yogurt, growth stimulation factors, rats 7600. 
yogurt, whey proteins effects on 4813. 
Streptococcue viridans, 
dental cement +chlorhexidine gluconate antibacterial activity 677. 
Streptococcue zooepidemicus, 
recovery, animals, pleural fluid, synovial fluid, media methodology 3609.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            characterization 1981.
muramoyl-pentapeptide carboxypeptidase, amino acid sequence 2788.
Straptomyces albus subsp.brumeomyclni,
streptomyces ambotaclenia,
chimeramycin biosynthesis 9772.
protoplasts regeneration, relationship macrolide antibiotics biosynthesis 6166.
spiramycin i biosynthesis, radioactive labelling 6169.
Straptomyces antibioticus,
DNA fragments replication, association oleandomycin biosynthesis 8006.
Straptomyces antibiomyclucus,
compound M-9337 biosynthesis, isolation, physicochemical properties, biological
properties 8357.
Straptomyces aureofeciena,
Streptogramins,
antibiotic resistance, Enterobacteriaceae, animal isolates 660.
Escherichia coli antibiotic resistance, plasmid pKH80 relationship 631.
Essiterioria con ambionic resistance, plasmid professional Streptokinase, amino acid Sequence 1883.

Streptokyalin O, antibodies, detection, clinical microbiology 4507. production, Streptococcus pyogenes, media (culture) 3895.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Streptomyces aureofaciens, 
apvrase, inorganic pyrophosphatase, purification, activity 7321. 
chloretracycline biosynthesis, apyrase, inorganic pyrophosphatase, levels 8004. 
elongation factor Tu, purification, characterization 1832. 
nucleic acids substances identification 8202.
Streptomyces, Characterization 8017. acmycin, purification, characterization 8017. albomycin 81, albomycin 82, albomycin 8, albomycin 8, pactroscopy, N.M.R. 2573. albumium phosphate solubilization, acid production 5891.
```

Streptomyces erythrchromogenes sp.nov.,
daunomycin transformation, antibiotic synergism, antibacterial activity 675.
Streptomyces erythreus,
liquid culture, erythromycin effects on 8005.
Streptomyces exfoliatus,
endo-14-β-D-xylanase, exc-1.4-β-D-xylosidase, purification,
characterization 6550. Streptomyces aureofaciens, (continued)
particin biosynthesis, structure 1684
tetracycline biosynthesis, termenters seration 8870.
Streptomyces aureus,
trostin A, binding adenne, guanine, N.M.R. 8030.
Streptomyces avermittilis,
avermectin, inhibition reproduction, pest control, Solenopsis invicta 1964. characterization 6550. Streptomyces faciens, protoplasts regeneration, relationship macrolide antibiotics biosynthesis 6166. Streptomyces finibriatus, biosynthesis, 1,3-dihydroxy,8-decen-5-on, characterization, antifungal activity, antibacterial activity 9201. Streptomyces flavogriseus, cellulolytic enzymes, cellulose characterization 4879. comparison, Streptomyces, strainis, β-D-glucosidase, activity 8290. Streptomyces flavotricini, streptomyces flavotricini, streptomyces flavotricini, streptomyces flavotricini, streptomyces flavotricinis, antibiotic J120-B biosynthesis 1670. Streptomyces floculus, streptomyces floculus, streptonigni characterization, reviews 8896. Streptomyces fradies, avermectin, inhibition reproduction, pest control, Solenopsis invicta 1964.
Streptomyces azureus,
antibiotic resistance, genes, cloning, characterization 1521.
Streptomyces bikrilensies,
N-methyl-N'-nitro-N-nitrosoguanidine induction mutation, effects on streptomycin
biosynthesis, antibiotic resistance 5256.
Streptomyces bottropensis,
{-}-is-carveol conversion, (4R,6R)-(+)-6,8-oxidomenthl-en-9-ol production 3732.
Streptomyces cacaol,
mutants, penicillins antibiotic resistance, role, penicillin-binding protein
3297. neopolyoxins multiple forms, isolation, characterization 7288 neopolyoxins multiple forms, Isolation, characterization 7266
Streptomyces calvus,
adiposin biosynthesis 2568.
adiposin, isolation, physicochemical properties 5277.
adiposin-1, synthesis 7282.
Streptomyces canarius,
saphenamycin biosynthesis, biological properties, structure, physicochemical
proporties 1569. streptonigrin characterization, reviews 8896.

Streptomyces fradies,
antibiotic resistance, genes, cloning, characterization 1521,
endopeptidase, purification, characterization 6473,
macrolide antibiotics biosynthesis, role, valine 8820,
macrolide antibiotics biosynthesis, structure 6212,
mutants, growth, cyclic AMP, relationship, tylosin, biosynthesis 4398,
neomycin biosynthesis, plasmids 6160,
proteinase, immobilized enzymes, hydrolysis 6482,
proteolytic enzymes biosynthesis 8293. saphenamycin biosynthesis, biological properties, structure properties 1656.

Streptomyces candidus, glycoproteins, antibiotic A35512B, structure, N.M.R. 8027.

Streptomyces candius, antibiotic CC-1065, biosynthesis 1656.

Streptomyces carcinostaticus, neocarzinostatin, radiomimunoassay 9202. Streptomyces canulus, antibiotic CC-1065, biosynthesis 1656.

Streptomyces cartinostatic radioimmunoassay 9202.

Streptomyces cattleya, differentiation, thienamycin biosynthesis, factors affecting 6184. metabolites production, balance studies 7997.

Streptomyces chartreusis, cephamycins, isolation, structure 6136. cezomycin biosynthesis 2597. lionophore A23187 biosynthesis 3447.

Streptomyces chiberenis, biodegradation, crop residues, Oryza sativa 168.

Streptomyces chiperenis, oryza sativa 168.

Streptomyces chiperenis, oryza sativa 168.

Streptomyces chiperenis oryza sativa 168.

Streptomyces oryza s proteorytic enzymes biosynthesis 8293.
protoplasts regeneration, relationship macrolide antibiotics biosynthesis 6166.
resistant mutant, butrosin A acetylation 5164.
tylosin, biosynthesis 6196.
tylosin biosynthesis 6196.
tylosin biosynthesis pathway 3434.
tylosin, production, batch culture, glucose, monosodium glutamate, stimulation 4425. xylose isomerase, immobilization, use, Sepharose-SMB 9147.

Streptomyces galilaeus,
anthracyclinones transformation 782.
auramycin G, sulfurmycin G, isolation, characterization, antibacterial activity
1673. mutants, anthracycline antibiotics biosynthesis 5540. mutants, anthracycline antibiotics biosynthesis, structure 5539. mutants, anthracycline antibiotics, isolation, characterization 5538. mutants, biosynthesis, anthracyclinones, anthraquinones 2823. Treptomyces glaucescens, production et al., antimical equinomes 2cc.3.
Streptomyces glaucescens, production, hydroxystreptomycin, antibiotor resistance, streptomycins 4382.
Streptomyces globisporus, mutanolysin, Streptococcus treatment, protoplasts formation, dairy industry 5414.
Streptomyces griseoflavus, resistomycin, structure, biosynthesis 8887. resistançuir, sizuaure, uosyninesis ooo'.

Straptomyces griseofuscus,
immobilization, floculation, surface charge, y radiation effects on 7250.

Straptomyces griseolus,
sinefungin, inhibition, Lycopersicon esculentum,
1-aminocylcopropanei-1-carboxylate synthase, ripening 7593. Streptomyces griseosporeus, α-amylase inhibitor, purification, characterization 6515. Streptomyces griseoviridus, proline hydroxylation mutants, viridogrisein analogs production 8911. proline hydroxylation mutants, vindognsein analogs production 8911.

Streptomyces griseus,
ammonium stimulation streptomycin biosynthesis 7150.
batch culture, phosphates nutrient deficiencies, streptomycin production 4383.
biosynthesis, streptomycin, antibiotic resistance, factors affecting,
mactivation, enzymes 1547.
differentiation regulators, anthracycline antibotics production, screening interviework, grymes 1947.

differentiation regulators, anthracycline antibotics production, screening projects 3002.

differentiation regulators, anthracycline antibotics production, screening projects 3002.

7-thotycountain biotransformation, production, 7-hydroxy-6-methoxycountain 7493, factor A biosynthesis, genetic analysis 9219.

solation, structure, cephalosporin, derivatives 6139.

NAD(P)** nucleosidase biosynthesis, methanol, effects on 2797.

naramycin B, isolation, identification, activity 5267.

proteinase, immobilized enzymes, probes, structure, lysozyme, casein 61.

proteinase, immobilized enzymes, stability, urea denaturation 63.

proteinase, purification, characterization 6476.

proteolysis, streptomycin biosynthesis 9760.

sporulation, liquid culture, induction, methodology 9042.

storage conditions, effects on, viability, grisin production 8120.

streptomycin biosynthesis, role, alkaline phosphatase 2557.

streptomycin biosynthesis, violation, sporadional phosphate intermediates 3412.

streptomycin biosynthesis, 2-(6-methylineptanoyl)-3-hydroxymethyl-4-butanolide 3412.

3412.

3412.

3412.

streptomycin biosynthesis, 2-(6-methylheptanovl)-3-hydroxymethyl-4-butanolic induction 5255.

streptomycin, fermentation, phosphate, release 8003.

streptomycin, fermentation, phosphate, release 8003.

streptomyces griseus subsp.cryophilus,
antibiotic C-19393 Eg, structure, biological properties 1667.

Streptomyces hygroscopicus,
bialaphos biosynthesis 3716.

bialaphos biosynthesis 3716.

bialaphos biosynthesis 6209.

cell culture, mathematical models, identification, growth curves 3580.

demethocyrapamycin biosynthesis 6209.

mutants, bialaphos biosynthesis 6209.

mutants, bialaphos biosynthesis 6209.

mutants, bialaphos biosynthesis e209.

mutants, bialaphos biosynthesis e209.

mutants, bialaphos biosynthesis 9781.

turimycin, production, phosphate requirements 3430.

Streptomyces hygroscopicus subsp.aureolecrimosus,
milbemycin J, milbemycin K, biosynthesis, physicochemical properties 8901.

milbemycins, biosynthesis 9787.

Streptomyces hygroscopicus subsp.hiwaseansis,
antibiotic 0A-7853, purification, characterization, antibacterial activity,
Mycobacterium, gram-positive bacteria 7179. streptomycin biosynthesis, 2-(6-methylheptanoyl)-3-hydroxymethyl-4-butanolide 8916.

Streptomyces corchorusil,
α-amylase inhibitor, purification, characterization 6387.

Streptomyces cremeus,
mutants, auxotrophs, nebramycin biosynthesis, antibiotic resistance 8020.
tobramycin biosynthesis, media optimization 6227.

Streptomyces disastatochrogenes,
concanamycins, structure 3448.

Streptomyces exchinatus,
echinomycin biosynthesis quantification, disc-diffusion test 4428.

streptomyces evaluate films of the streptomycin characterization, reviews 8896.

Streptomyces elizabethili. streptoringrin characterization, reviews 8896.

Streptomycae elizabethi, actinomycin IV, streptomycae erythreaus, antibiotic resistance, genes, cloning, characterization 1521, erythromycin A biosynthesis, erythronolide A glycosylation 6168, erythromycin antibiotic resistance, association adenine dimethylation 638, erythromycin production, propanol requirements 6171, trypsin-like enzyme, interaction ovomucoid, Coturnix japonica 6481.

Streptomyces hygroscopicus var.crystaliogenes, copiamycin structure 3445. Streptomyces roseochromogenus, primaquine acetylation 7458. Streptomyces roseoflavus, proteolytic enzymes, activity 1946. Straptomyces rufochromogenes, streptomigrin characterization, reviews 8896. copiamycin Structure 3445.

Streptomyces kasugaensis, 513.

Streptomyces lavendules, 514.

Streptomyces lavendules, 514.

Streptomyces lavendules, 614.

Saframycin isolation, antibacterial activity 3436.

Saframycin R, isolation, characterization, antitumor activity 2830.

Streptomyces levorts, 144.

Lavaria hisraythesis, aromatic compounds, amino acids effects of lavaria hisraythesis. factumycin isolation, antibacterial activity 3436, saframycin R, isolation, characterization, antitumor activity 2830.

Streptomyces levorts, levorin biosynthesis, aromatic compounds, amino acids effects on 1662. levorin biosynthesis, p-aminobenzoic acid effects on 778. yeasts stimulants, effects on biosynthesis, biotin, levorin, coenzyme A 8021.

Streptomyces longispororuber, mycelia, corralomycin isolation 7160.

Streptomyces longispororuber, mycelia, corralomycin isolation 7160.

Streptomyces longispororus, antagonism, biological control, Helminthosporium oryzae brown spot, Oryza sativa, Alternaria solani early blight Solanum tuberosum 4105.

Streptomyces macronomyceticus, macromomycin, auromomycin, C.D., I.R. spectroscopy 2826.

Streptomyces macronenalis, desertomycin, purification, characterization 4419.

Streptomyces meclanovinaceus, antibiotic DC-52, biosynthesis, antibiotic DC-52, biosynthesis, antibiotic DC-52, biosynthesis, antibiotic DC-52, structure 8345.

Streptomyces melanovinaceus, antibiotic DC-52, structure 8345.

Streptomyces inipition, N.M.F., amino acid composition, U.V. spectroscopy 7306.

Streptomyces inipition, N.M.F., amino acid composition, U.V. spectroscopy 7306.

Streptomyces inipition, N.M.F., amino acid composition, U.V. spectroscopy 7306.

Streptomyces inipition, N.M.F., amino acid composition, U.V. spectroscopy 7306.

Streptomyces onodosus, amphoterical biosynthesis, glucose metabolism effects on 6176.

Streptomyces onodosus, amphoterical properties 1663.

+ Streptomyces onodosus, olivanic acid, derivatives, isolation, physicochemical properties 1663.

+ Streptomyces onologoic, interspectific hybridization, antibiotic resistance, antibiotic resistance, antibiotic resistance, antibiotic resistance, antibiotic resistance, antibiotic polymeris, decoxypentalenyiglucuron isolation, structure 6192.

Streptomyces phesechromogenes, p-D-fructofuranosidase, Immobilizated enzymes, sucrose hydrolysis, bioreactors 526, 266. Streptomyces saganonensis, herbicidin A production, conversion, 9-β-D-arabinofuranosyl adenine pathway 4408 herbicidin A production degeneration 4335. herbicidin biosynthesis, pathways 4418 herbicidins, structure 3435. Streptomyces scables, scab, disease resistance, Raphanus sativus 2268. soil bacteriostasis 3179. soil isolation 3192. soil isolation 3192.
Streptomyces setonil,
biodegradation, phenol 2896.
Streptomyces steffiaburgensis,
steffimycinone, antibacterial activity 8775.
Streptomyces tateysmensis,
thiopeptin structure 8914.
biomeptin structure 8914. Streptomyces tateyamensis, thiopeptin structure 8914.

thiopeptin structure 8915.

Streptomyces tandicus, tautifus, tautifus, tautifus, antibiotic resistance, aminoglycoside antibiotics 1539.

Streptomyces termberaties, antibiotics 1539.

Streptomyces termberaties, antibiotics 1539.

tobramycin biosynthesis, elements effects on 2585.

tobramycin biosynthesis, incoulum effects on 6232.

Streptomyces termberaties, 2"-N-formimidoylistamycin B, biosynthesis 1655.

Streptomyces termberaties, 2"-N-formimidoylistamycin B, biosynthesis 1655.

Streptomyces termberaties, 2"-N-formimidoylistamycin B, biosynthesis 1655.

Streptomyces tokunonenals sp.nov., biosynthesis, N-acetylisopenicillin N, isopenicillin N 3410.

Streptomyces umbrouse subsp.raffinophilus, prothracarcin biosynthesis, structure, antibacterial activity 1668.

Streptomyces venezuelies, e-D-glucosidase suppression, association, glucose 2560.

chloramphenicol biosynthesis, gene mapping 4388.

chloramphenicol biosynthesis, mechanisms, enzymes association, plasmids role 8657.

nutrient requirements, chloramphenicol, biosynthesis 6161. odo7.
nutrient requirements, chloramphenicol, biosynthesis 6161.
Streptomyces vinaceus,
antibiotic resistance, genes, cloning, characterization 1521.
antibiotic resistance, nutrition, genes, cloning 1523. antibiotic resistance, genes, cloning, characterization 1521.
antibiotic resistance, nurtinon, genes, cloning 1523.

Streptomyces violaceus,
biosynthesis, antibiotic FK-156 2582.

Streptomyces violaceus-ruber,
methylenomycin A biosynthesis, role, plasmid pSV1 763.

Streptomyces violaceus-ruber,
methylenomycin A biosynthesis, role, plasmid pSV1 763.

Streptomyces virilaceus,
deciorubicion biosynthesis, antibacterial activity, gram-positive bacteria 6220.
deciorubicin, sugars components, structure 6221.

Streptomyces virilateiens,
deciorubicen sugars components, structure 6192.

Streptomyces virilaceus,
deciorubican, sugars components, structure 6192.

Streptomyces virilaceus,
deciorubican, sugars components, structure 6192.

Streptomyces virilaceus,
biodegradation 5602.

Streptomyces virilaceus,
sugars componens,
butyrolactone biosynthesis, inducers 3443,
mmobilized cells, uranium bioaccumulation, sea water 4258.

Streptomyces virilaceporus,
lignin biodegradation 2887.
vaniilin conversion, vaniilic acid production 4578.

Streptomyces xanthochromogenus,
alkaloids, structure 1977.

Streptomyces zenthophaeus,
streptothricin resistance 9643.

Streptomyces zentsis,
bosynthesis, antibiotic CC-1065 5541.

Streptomyces,
Actionmadulur antibiotic sensitivity testing 6109. 925.

Streptomycee phaeochromogenes,
immobilization, radiation polymerization 9876,
immobilization, 2-hydroxyethyl methacrylate 9981,
immobilization, 2-hydroxyethyl methacrylate 9981,
immobilization, 2-hydroxyethyl methacrylate 9981.

Streptomycee phaeochromogenus,
glucosephosphate isomerase, inactivation, potassium thiocyanate, potassium
bromide 6512.

Streptomycee plifestus. bromide 6512.

Streptomyces pilcatus, nitrosofungin, synthesis 9791.

Streptomyces propurpuratus, + Bacillus, nepropurpuratus, + Bacillus, nepopurpuratin production, factors affecting 5561.

Streptomyces pseudovenezueles, aribbiotic MPT22-02, anbactenia lactivity, gram-positive bacteria, inhibition adenosinetriphosphatase 3422.

Streptomyces puniceus, viornycin biosynthesis, viornycin biosynthesis, viornycin antibiotic resistance 7161. Streptomyces purpurascens, 12-deoxycardenolids conversion 2844. Streptomyces purpurescens, uleine transformation 7465. Streptomyces ramulceus,
N-acetyl-β-oxotryptamine, N-acetyl-α-hydroxy-β-oxotryptamine,
blosynthesis 8342.
Streptomyces rayldus an nov. N-acetyl-p-oxorytypamine, N-acetyl-a-nydroxy-p-oxorytypamine, biosynthesis 8342.

Streptomyces revidus sp.nov., ravidomych biosynthesis, purification, characterization 6210.

Streptomyces rectus ver.proteolyticus, subtilism, substrate specificity 3684.

Streptomyces ribosidificus, ribostamycin biosynthesis, transamination, role, neosamine C formation 8909.

Streptomyces rimosus, foams suppressors effects on morphogenesis 684. grisomici transformation, grisorixin, Streptomyces rimosus transformation 4411. oxyletracycline biosynthesis, agitation effects on 2563. oxyletracycline biosynthesis, mutants, isolation methodology 9054. oxyletracycline biosynthesis mutants, isolation methodology 9054. oxyletracycline biosynthesis, mutants, isolation methodology 9054. oxyletracycline biosynthesis, emperature effects on 2564. oxyletracycline biosynthesis, lemperature effects on 2564. oxyletracycline biosynthesis, lemperature effects on 2564. oxyletracycline biosynthesis, lemperature effects on 2564. oxyletracycline production, aeration 4392. primaquine acetylation 7458. proteolyte enzymes, fibrinolysis 1947. ribonuclease, antiviral activity, foot-and-mouth disease virus, Ayezeku virus 2492. treptomycin,
Actinomadura antibiotic sensitivity testing 6109.
Actinomadura antibiotic sensitivity testing 6109.
Actinomadura activity Standardization 7071.
antibiotic activity standardization 7071.
antibiotic resistance, aerobic bacteria, dinking water isolates 1533.
antibiotic resistance, aerobic bacteria, dinking water isolates 1533.
antibiotic resistance, Escherichia coli, urinary tract clinical isolates 7034.
antibiotic resistance genes, Escherichia coli, mutants, selection methodology 4481 antibiotic resistance markers transformation, taxonomic significance, annibilitic resistance markets transformation, accirculation significance, Acinetobacter calcoaceticus 7905. antibiotic resistance, Pseudomonas aeruginosa 7023. antibiotic resistance, R factors, Shigelia 7044. antibiotic resistance, Staphylococcus aureus L form, cell fusion, recombinants antibiotic resistance, Yersinia enterocolitica 2524.
antibiotic sensitivity testing methodology comparison, gram-negative bacilli ribonuclease, antiviral activity, pseudorables virus, foot-and-mouth disease virus 6077. 6090 virus 6077.

Ideine transformation 7465.

Streptomyces rimosus var.paramomycinus,
malonomicin, N.M.R. 4405.
malonomicin biosynthesis, N.M.R. 4406.

Streptomyces rishirlensis,
antibiotic AT-265, structure, antibacterial activity 1672. antibiotic sensitivity testing, Shigella, antibiotic resistance transfer, Italy 8829. natibiotic synergism, antibacterial activity, Mycobacterium intracellulare 3309. bacteria urinary tract isolates, antibiotic sensitivity testing, antibiotic resistance 4287. resistance 4287.
biosynthesis, actinomycetes, role nuclease, proteinase, α-amylase 7123.
biosynthesis, antibiotic resistance, N-methyl-N-nitro-N-nitrosoguanidine induction mutation Streptomyces bikiniensis effects on 5256.
biosynthesis, Streptomyces griseus, ammonium stimulation 7150.
biosynthesis, Streptomyces griseus, antibiotic resistance, factors affecting, inactivation, enzymes 157.
biosynthesis, Streptomyces griseus, phosphate, asparagine, effects on 7151.
biosynthesis, Streptomyces griseus, proteolysis 9760.
biosynthesis, Streptomyces griseus, role, proteinase, alkaline phosphatase 2557.
biosynthesis, Streptomyces griseus, UDP-N-methyl-D-glucosamine phosphate intermediates 3412. antibiotic AT-265, structure, antibacterial activity 1672.
metalio-proteinase inhibitor, purification, characterization 2735.
metalioproteinase inhibitor, purification, characterization 3692.
mycotrienins biosynthesis, physicochemical properties 2827.
mycotrienins biosynthesis, structure 2828.
mycotrienins, structure 2829.
Streptomyces ross var.notoensis,
nanaomycin A biosynthesis 3446.
Streptomyces rossochromogenes,
hydroxylation, 18-hydroxydeoxycorticosterone 2815.
1-α-santonin conversion 2886.

direction (continued)

directly sulfoxide, antimycobacterial activity, Mycobacterium
avium-intracellulare 2401.
disc-diffusion test, streptococcus group D 2509.
discaese control, Pseudomonas syringae streptomycin, speck, Lycopersicon
esculentum 5822. Streptomycin, (continued) biodegradation, pathways, Pseudomonas fluorescens 8433. dimers, biodegradation, Alcaligenes, Pseudomonas 7558. cimers, biologificadation, Alcaligenes, Pseudomonas 7558. Styryl cyanine dyes, bactericidal activity, fungicidal activity, bacteria, fungi 9703. Sub-alpine environments, tundra, mycorrhizas, biomass 5883. esculentum 5822.

esculentum 5822.

sensitivity testing, Mycobacterium intracellulare, infection, monkeys, clinical aspects 4285.

+EDTA+tromethamine, antibacterial activity, Escherichia coli 8765. effects on, Bordetella pertussis ultrastructure 1599. +ethonium, antibacterial activity, bacteria 1559. +ethonium, phosphate, release, Streptomyces griseus 8003. fluorescence polarization, immunoassays 6156. +epincillin G treatment Lacteria infection, mammanu cland, cattle, insetting for the contraction of t Submergence, fungi, water pollution effects on 8977. - Substituted benzofuryl-4-arylazo-5-pyrazolone, derivatives synthesis, antibacterial activity 8757. Submergence, derivatives synthesis, antibacterial activity 8757.
Substituted pyrido(2,3-b-pyrazine-1,4-dioxide,
synthesis, antibacterial activity, Enterobacteriaceae 2437.
4-Substituted 3-amino-5-hydroxyberazole actid,
rfamycins derivatives biosynthesis. Nocardia mediterranel 1628. + penicillin G treatment, bacteria infection, mammary gland, cattle, isolates susceptibility 8851. production, Streptomyces griseus, phosphates nutrient deficiencies batch culture 4383 Substituted 4(3H)-quinazolone, derivatives, antibacterial activity, antifungal activity 5223. resistance, Escherichia coli, clinical isolates, British Isles 1540. resistance markers transformation, factors affecting, Acinetobacter calcoaceticus Substrate preferences, Ascomycetes, India 7645. Ascomycetes, notal 7040.
Substrate Specificity,
Actnomycetes, acyclase biosynthesis 975.
Clostrdium histolyticum collagenase 6412.
glycerophospholipid-cholesterol acyltransferase, Aeromonas salmonicida 1884.
β-lactamase identification, bacteria, β-lactam antibiotics 9728. 7895.

Rhizobium japonicum antibiotic resistance isolates, Glycine max nodules 651.
Saimonella clinical isolates, antibiotic sensitivity testing 6112.
sensitivity, Streptococcus animal isolates 5193.
Streptomyces griseus, biosynthesis,
2-(6-methylheptanoyl)-3-hydroxynethyl-4-butanolide induction 5255.
Yersinia pestis antibiotic sensitivity testing 6110.
Streptomycin 6-kinase,
Streptomycin 6-kinase,
Streptomyces griseus, purification, characterization 6522. 7895 Substrates glucose concentration, relationship ethanol inhibition, Saccharomyces cerevisiae. Streptomycins, Saccharomyces bayanus 2870.

methanol, Methylomonas clara, single-cell protein production 3659.

polystyrene, bactena cell adhesion, measuring techniques, use, bioluminescence 4489. nyces glaucescens antibiotic resistance 4382. Streptonigrin,
bactericidal activity, role, Escherichia coli iron uptake 1679.
characterization, reviews 8896.
Streptosporangium viridogriseum,
sporavirdin, sugars component structure 8047. retention, relationship, bacteria levels, pigs animal wastes digestion (anaerobic) 9808.
utilization, fungi, bacteria, reviews 665s.
Subterranean clover red leaf virus,
infection, Pisum sativum, purification, characterization 1146. sporavindin, sugars component structure of Streptothricin, antibiotic resistance, Escherichia coli 3285 characterization, reviews 9782. resistance, bactena 9643. Subtilisin, C.D., fluorescence, Bacillus subtilis 90. conformation, C.D., fluorescence, C.D., fluorescence, kinetics, Bacillus antibiotic SC4-X, streptothricins, antibacterial activity, antifungal activity, purification, characterization 7164.

StreptovertIcIIIIum, antibiotic U-0142, monazomycin, physicochemical properties, taxonomic subtilis 69: ethanol, glycerol, sucrose stabilization, Bacillus subtilis 5503. proteolysis citrale (si)-synthase, effects on allosteric properties, Acnietobacter calcoacelicus 4677. substrate specificity, Streptomyces rectus var.proteolyticus 3684. subtilisin inhibitor complex, dissociation, polarography, Streptomyces 6518. significance 7163. Streptoverticillium ehlmense, significance 7163.

Streptoverticillium enhimense, carbazomycin A, carbozomycin B, biosynthesis 8906.

Streptoverticillium griseoverticilliatum, antibiotic U-0142, monazomycin, physicochemical properties, taxonomic significance 7163.

Streptoverticillium griseoverticillistum, antibiotic U-0142, monazomycin, physicochemical properties, taxonomic significance 7163.

Streptoverticillium maehuense, antibiotic U-0142, monazomycin, physicochemical properties, taxonomic significance 7163.

Streptoverticillium olivoreticuli subsp.neoenacticus, piperazinomycin, characterization, antifungal activity 1644.

Streptovirudin, antiviral activity, oligosaccharides biosynthesis, influenza A virus, influenza B virus, cell culture 6066.

Strip mines, soil amendment, effects on, spores, vesicular-arbuscular mycorrhizas, soil amendment, effects on, spores, vesicular-arbuscular mycorrhizas, soil amendment, effects on, spores, vesicular-arbuscular mycorrhizas. Subtilisin inhibitor,
N.M.R., Streptomyces 4587.
Streptomyces, dimers dissociation 917.
subtilisin complex, dissociation, polarography, Streptomyces 6518. Submits association, Submits association, polarography, Streptomyces 6518.

Subunit association, alkaline phosphatase, Eschenchia coli, formamide effects on, metals role 2770.

Subunit structure, amine dehydrogenase, Thiobacillus, Methylophius methylotrophus 64.

Escherichia coli enterotoxins, immunochemistry 291.

phosphocarrier protein, active sites, Staphylococcus aureus 4. toxins, Bordetella pertussis 302. Succession, uccession, microorganisms, leaf litter decay, polar environments, lakes 1061. soil microorganisms, nutrient cycles, forests, montane environments 2297. trees, association nitrification, forests 4140. Succinate dehydrogenase,
Escherichia coli, outer membranes, antibacterial activity, glycerol monocaprate Stripe,
Cephalosporium gramineum, incidence, agricultural practices, Triticum aestivum 4960. purification, characterization, Escherichia coli 1912. Stripe rust,
Puccinia striiformis, disease control, sprays, Triticum aestivum 5722.
Puccinia striiformis, disease resistance, Triticum, genetic analysis 1344.
Puccinia striiformis, epidemiology, statistical analysis, Triticum aestivum 2125.
Puccinia striiformis, yield, Triticum aestivum 1165.
Triticum, germplasm screening, field trials, disease resistance development, india 5726.
Stroblium C,
biosynthesis, Xerula, structure, antifungal activity 8042.
Stropharle rugoeo-annulata,
cultivation, technology, species use, USA, reviews 4825.
Strophostyles helvola,
defoliation effects on, growth, nodulation, nitrogenase activity, Rhizobium
leguminosarum nitrogen fixation 5127.
Structural proteins, metabolism, menaquinones biosynthesis, Micrococcus luteus membranes 2839. metaboism, menacuriones biosynthesis, micrococcus futerus meninariaes succing/geans, decomposition, Cytophaga arvensicola sp.nov. 4764.
Succinyl-CoA synthetase (ADP-forming), Saccharomyces cerevisiae, purification, characterization 7382.
Succinyl-CoA synthetase (GDP-forming), isolation, characterization, Thermus aquaticus, Halobacterium salinarium 5497. Sucrose, ucrose,
association, fruit juices, yeasts heat inactivation 2039.
association, Rhizobium lupini amino acids biosynthesis 8199.
blood culture, effects on detection, clinical isolates, yeasts, bacteria 9955.
blood culture, media (culture), effects on bacteria isolation 9930.
fermentation, Clostridium 2057.
fermentation, Zymomonas mobilis immobilized cells, levan production association Structural proteins, poliovirus, separation, high-performance liquid chromatography 7228, poliovirus, separation, high-performance liquid chromatography 7228, rubella virus, identification, immunoprecipitation 1740, wheat mosaic virus, molecular weight 2117. 9192.
hydrolysis, glucose, effects on, Zymomonas mobilis 6654.
hydrolysis, immobilized enzymes, bioreactors 9265.
hydrolysis, Saccharomyces cerevises, immobilized cells 3827.
levels effects on, Salmonella senftenberg, heat resistance, liquid culture 670.
stabilization subtilisin, Bacillus subtilis 5503.
uptake, Candida intermedia, fermentation 128.
use, inuclose production, Fusarium, Mucor 6572.
Sucrose -D-glucohydrolase,
Zymomonas mobilis, production, characterization 9135.
Sucrose phosphorylase,
Leuconostoc mesenteroides, production 4671.
Sucrose-5-phosphate hydrolase,
purification, characterization, Streptocoocus mutans 6414.
Sudan, winds in locate with the street of the stree

turn, bacteria, pathology, Ambrosia artemesiifolia, vectors 8576. grassy sturt virus, disease transmission, Nilaparvata lugens, Oryza sativa 4952. maize chlorotic dwarf virus, Zea mays, Graminella nigrifrons vectors, sex differences 5697.

mycoplasma-like organisms, diagnosis, fluorescence, Apium 2166. mycoplasma-like organisms, disease transmission, Allygus mayri vectors, Rubus 2169.

2169. mycoplasma-like organisms, Philaenus spumarius vectors, Rubus 3057. mycoplasma-like organisms, Vaccinium corymbosum 5010. RNA, virotik, Arctlum tomentosum, Arctlum lappa, eitology 4021. spiroplasma, enzyme-linked immunosorbent assay detection, Zea mays 3011. Vits vinitera, relationship, methyl formule soli fumigation effects on the virole of the control of t

mycorrhizas 5987.

Stylosanthes gulanensis, leaves lesions, Curvularia eragrostidis 3991.

Sudan, Allium cena pink root, new records 1277

Sugar, fermentation, lactic acid bacteria, starter cultures, soybean milk 6674, fermentation, Saccharomyces cerevisiae petite mutant ability 9247. hydrolysis, Aspergillus niger polygalacturonase 4664. inhibition, bacteria growth, association, wound infection treatment, man, in vitro 7056.

production, Clostridium thermocellum, comparison, mesophilic bacteria, cellulose biodegradation 9251.

Sugar beets,

cellulose, Talaromyces emersonii cellulase hydrolysis 9153. Industrial wastes, use, Trichoderma reesei protein biosynthesis, animals feeds

8493 Sugar cane mosaic virus, infection, Zea mays, transmission, symptoms, control 5723. Sugar fungi,

urveys, soil microorganisms, Syria 7814.

Sugarcane,

Sugarcane, cellulolytic bactena growth, proteins products nutritive value 9287. Sugarcane mosaic virus, infection, Gramineae susceptibility, USA, Mississippi 8559. survival, Saccharum officinarum tissue culture 1154.

Surjival, Sauceria, gas chromatography 9877, cell walls, bacteria, gas chromatography 9877, component, sporavindin structure 9047, components, decilorubicin, structure 6221, concentration, Brassica juncea, white rust resistance 5769, concentration, and Invarient, relationship dental caries, children

concentration, brassical juncee, white rust resistance 5769.
consumption, oral hygiene, relationship dental carias, children 8991.
fermentation, ethanol production, biomass conversion, conferences 10010.
fermentation, ethanol production, Torulopsis holmii 3747.
fermentation, relationship, esters equilibrium, role, 2860.
fermentation, yeasts, biosynthesis, ethanol, glycerol 7525.
food industry, contamination, bacteria, fungi 184.
metabolism, Candida tropicalis, single-cell protein production, crop residues,
Orza sativa 9109.

metaboiism, candida tropicalis, single-cell protein production, crop residues, Oryza sativa 9109. metabolism, glucokinase, functokinase, characterization, Zymomonas mobilis 105. Poa pratensis, Drechslera sorokiniana pathogenesis, herbicides effects on 5718. production, biomass hydrolysis, enzymatic activity, yeasts 5535. yoghuf fermentation, mixed culture, Lactobacillus bulgaricus+Streptococcus thermophilus, effects on 3829.

host specificity, fungi mycorrhizas 5901.

Sullius luteus,
blister rust, infection monitoring, chitin, mannans, levels, Pinus sylvestris 3170 Sulbactam,

antibacterial activity, Escherichia coli, Enterobactenaceae 2545. binding penicillin-binding protein, effects on antibacterial activity 7134. inactivation, Citrobacter freundii β-lactamase 7180.

Sulfadimethoxine, bacteriostasis, Mycobacterium avium-intracellulare 7912.

Sulfamethoxazole, antibacterial activity, nasopharynx isolates 7066

antibacterial activity, nasopnarynx isolates /ubc. antibiotic resistance, Yersima enterocolitica 2524. in vitro antibacterial activity, McCoy cells, Chlamydia trachomatis 6008. +ketoconazole, antifungal activity, Candida abicans 2483. Mycobacterium infection, in vitro antibacterial activity 6034. Suffanilamide, antibiotic resistance, R factors, Shigella 7044. +β-lactam antibiotics, +thiazolidonome, synthesis, antibacterial activity

4294

Sulfanylamide, derivatives, antibacterial activity, structure-activity relationships 2436. Sulfate,

gliucoronide, biosynthesis, association, aromatic compounds oxidation, Cunninghamella elegans 2391.
metabolism, soil, forests ecosystems 5102.
reduction, sulfate-reducing bacteria, measuring techniques 7244.

Sulfate reduction, bacteria, media, enumeration 2689.

bacteria, media, enumeration 2689.
Sulfate-reducing bacteria,
antibacterial agents evaluation, radiorespirometry methodology 6320.
contamination, petroleum 5140.
contamination, evells, ground water 3488.
fouling organisms, antibacterial activity, antifouling substances, metals, sea water 151.
incidence, soil, tropical environment 3178.
nitrogen fixation, rhuzosphere sediments, Zostera marina 2356.
soil amendment, fertilizers, manure, redox potential, paddy fields, Oryza sativa 9623.
sulfate reduction, measuring techniques 7244.

96/3.
sulfate reduction, measuring techniques 7244.
sulfur nutrient cycles, paddy fields, flooded soils 6958.
Sulfhydry groups,
gramicidin S synthetase, chemical modification, Bacillus brevis 6494.
thermitase, active sites, chemical modification, Thermoactinomyces vulgaris 3685.
Sulfide.
leaching, bacteria 9627.

utitite,
conversion, soil microorganisms, Picea forests soil 6903.
industrial wastes, Candida biodegradation 2904.
suiphite reductase (NADPH) complex formation, hemoproteins subunits, Escherichia Superoxides, anions, biosynthesis, Methanobacterium formicicum 3734.
suiflochioranthine,
effects on, protein biosynthesis, DNA biosynthesis, RNA biosynthesis, Escherichia
effects on, protein biosynthesis, DNA biosynthesis, RNA biosynthesis, Escherichia
supposition protein biosynthesis, DNA biosynthesis, RNA biosynthesis, Escherichia
effects on, protein biosynthesis, DNA biosynthesis, RNA biosynthesis, Escherichia
supposition protein biosynthesis, DNA biosynthesis, RNA biosynthesis, BNA biosynthesis,

Sulfochloranthine

Sulfochloranthine, effects on, protein biosynthesis, DNA biosynthesis, RNA biosynthesis, Escherichia coli 2456.
S-Sulfocysteine, use, Cephalosporium acremonium, association, cephalosporin C biosynthesis 733.
Sulfolobus acldocaldarius, ferradoxin, purification, characterization 922.
sulfur removal, fermenters, coal 3254.

Sulfonamide,

susceptibility, association, cotrimoxazole drug resistance, Enterobacteriaceae

Sulfonamides

Sulfonamides, antimycobacterial activity 2420.
+ brodimoprim, - metioprim, antibacterial activity, anaerobic bacteria 3320.
drug resistance mechanisms, bacteria 6000.
drug sensitivity testing, agar diffusion test, Mycobacterium 9657.
inhibition, carbonate dehydratase, bacteria, reviews 8756.
sensitivity, Haemophilus parahaemolyticus animal isolates 5189.
synergism, trimethoprim, antibacterial activity, pharmacokinetics 4289.
Sulfoquinovose,
sulfur, mineralization, soil microorganisms, soil, forests, USA, North Carolina 6904. 6904

Sulfur,

Julfur, compounds, petroleum, biodegradation, bacteria 5597, containing compounds, antifungal activity, antibacterial activity 7959, containing compounds, antifungal activity, antibacterial activity 7959, contended to soil. Thiobacilius thioparus, Desulfowbiro, continuous culture 7793, deficiency, association, Aspergillus candidus extracellular proteolytic enzymes biosynthesis 1933, deficiency, Medicago sativa, relationship infection, Cylindrocarpon gracile, Fusanum roseum 7658, disease control, root rot, Beta vulgaris 3157. Escherichta coli, association biotin biosynthesis 2843. fertilizers, effects on, Rhizobium nodulation, leguminosae ethylene biosynthesis 1503.

foliar applications, disease control, Erysiphe polygoni, powdery mildew, Beta

vulgaris 5823. fungicides, disease control, Pisum sativum, powdery mildew, Erysiphe polygoni 4123.

4123.
levels, nitrogenase cofactors, Clostridium pasteurianum 4593.
metabolism, association, monobactamis, biosynthesis, Chromobacterium violaceum,
Acelobacter, Agrobacterium radiobacter 5266.
metabolism, Pseudomonas desmolylicum, petroleum biodegradation 5991.
metabolism, soli microorganisms, nutrient cycles, soil 6996.
nutrient availability, soil microorganisms, leaf litter decomposition, acid rain,
pollution effects 9507.

poliution effects 5907
Inutrient cycles, sulfater-educing bacteria, flooded soils, paddy fields 6958.
oxidation, solid wastes, microorganisms 3471.
polysaccharides, carbohydrate composition, Arthrobacter 2818.
removal, Sulfolobus acidocaldarius, fermenters, coal 3254.
sulfoquinovose, mineralization, soil microorganisms, soil, forests, USA, North Carolina 6904.

Sulfur bacteria, iron (III) reduction 3257 petroleum biodegradation 2015.

petroleum biodegradation 2015.
Sultur dioxide,
air pollution, effects on early blight, Lycopersicon esculentum 6819.
air pollution, effects on soil microorganisms, forests 5854.
association, straw biodegradation, hydrolysis, rumen microorganisms 4751.
com, post-harvest decay, effects on, fungi, bacteria 6836.
effects on fermentation, yeasts 1036.
formation, Saccharomyces uvarum, dissolved oxygen effects on, fermentation, wort
7618.

To 18.

If the discount of the

Sulphadimidine, sensitivity. Streptococcus animal isolates 5193.

Sulphamethoxazole, susceptibility, Escherichia coli, statistical analysis methodology 1795.

Sulphite reductase, purfication, characterization, thermodesulfobacterium commune 3664. Sulphite reductase (NADPH), siroheme, iron-sulfur centers interaction, E.S.R., Escherichia coli 2807. sulfite, nitrite complex formation, hemoproteins subunits, Escherichia coli 2783. Sulphonamides, resistance, Escherichia coli, clinical isolates. British Islas 1540.

resistance, Escherichia coli, clinical isolates, British Isles 1540 Sunlight,

sumight, stimulation, PCB biodegradation, bacteria, rivers sediments isolates 8421. Sunnhemp rosette virus, antiviral activity, Datura metel plant extracts, foliar application, Crotalaria juncea 7771.

antiviral activity, 1-aryl-3-(3'-nitro-4'-methoxyphenyl)-5-phenyl formazan, 3-aryl-5-(3'-nitro-4'-methoxyphenyl)-2-phenyl tetrazolium bromide 6082.

Superoxide

Superoxide, radicals formation, role sporidesmolides toxicity, in vitro 274. radicals formation, role sporidesmolides toxicity, in vitro 274. radicals, reduction putidamonooxin, kinetics, Pseudomonas putida 2790. Superoxide dismutase, activity, Agrobacterium tumefaciens, in vitro, in vitro, Bryophyllum calycinum crown gall 5013. amino acid sequence, Saccharomyces cerevisiae 27. biosynthesis, Azosprillum brasilense continuous culture, oxygen tension effects on 2749.

on 1749.
kinetics, pulse radiolysis, Paracoccus denitrificans 6540.
purlication, characterization, Saccharomyose cerevisiae 25.
quaternary structure, X-ray crystallography, Escherichia coli 6537.
quaternary structure, X-ray crystallography, Pseudomonas ovalis 6561.
redox-potential, Escherichia coli, Azolobacter vinelandii, Pseudomonas putida
4588.

Suppressions, association, glucose, Streptomyces venezuelae, chloramphenicol biosynthesis 2560.

Suppressors,

foams, effects on Streptomyces rimosus morphogenesis 684. foams, effects on Streptomyces rimosus oxytetracycline biosynthesis 1639.

Surface charge, filters, viruses recovery, drinking water, sewage 8096. filters, viruses recovery, drinking water, sewage 8096. immobilized enzymes, effects on reaction mechanisms 967. Streptomyces griseofuscus, flocculation, y radiation effects on, immobilization 7250.

Surface tension,

measuring techniques, bacteria, excretion, surfactants, effects on, agar, mathematical models 5378.

Surface water,
contamination, viruses, German Dem. Rep. 3477.
microbial pollution, indicator species, coliforms, Escherichia coli 1708.
microbial pollution, pollution monitoring, methodology, Salmonella 8117.
USA, Washingtor, microbial pollution 2627.
Standing the present amylinemental impact, cattle, grazing, USA, Colo

water quality, streams, environmental impact, cattle, grazing, USA, Colorado

Surfaces

Surface water, (continued)

ymbiosis, (continued)
Rhizobium japonicum, Glycine max, roots temperature effects on 6940.
Rhizobium japonicum, Glycine max, salinity effects on nitrogen fixation 7830.
Rhizobium japonicum, Heterodera glycines, genetic analysis, Glycine max 6998.
Rhizobium japonicum, host specificity, Glycine max 2369.
Rhizobium leguminosarum, nitrogen fixation, Pisum sativum 7852.
Rhizobium leilioti, Medicago sativa, acetylene reduction 2374.
Rhizobium phaseoli, Glomus fasciculatus, nitrogen fixation, phosphorus uptake, Phaseolus vulgaris 1502.
Rhizobium friolii, Trifolium repens, nitrogen fixation 7003.
Rhizobium fixer-epentis, Goodyera repens, roots, mycorrhizas 4201.
Trifolium repens, Rhizobium trifolii, soli ph. acidity, effects on, measuring techniques 4235.
vesicular-arbuscular mycorrhizas, plants, use, agricultural practices, reviews Brassica seeds, bacteria, factors affecting 4793. cations binding, antimicrobial activity 3373. cations binding, antimicrobial activity 3373. contamination, coliforms, institutions, children 3494. disease transmission, rhinovirus, man 804. glass, bacteria removal 4456. Surfactants. urrecums, antibacterial activity, Enterobacteriaceae, effects on Hly plasmid 4296. antibacterial activity, use, media (isolation), Salmonella, meat 233. Aspergillus, effects on aspartic profeinase production 7094. bacteria, excretion, effects on, agar, surface tension, measuring techniques, bacteria, excretion, effects on, agar, surface ternsion, measuring techniques, mathematical models 5378. biodegradation, Bacillus, Pseudomonas, in vitro 8432. biodegradation, estuaries 5596. biodegradation, estuaries 5596. biodegradation, microorganisms 2925. effects on dental plaque Streptococcus mutans, Streptococcus sanguis 8759. Suspension culture, bacteria, density, solid phase methods 4501. vesicular-arbuscular mycorrhizas, plants, use, agricultural practices, reviews 4188 Vitis vinifera, Glomus fasciculatus, relationship, hyphae structure, biochemical characteristics 4183.

Syncephalastrum racemosum,
lipase, production, factors affecting 6558. Suspensions spase, production, latents allecting office.
Synchytrium, acanker, Cucumis melo var.mamordica, pathogenesis 6782.
canker, Sesamum indicum, pathogenesis, ultrastructure 9439.
Synchytrium endobioticum, yeasts volume association, measuring techniques 9089. usscrofa, semen, bacteria, antibacterial activity, antibiotics 715. SV40, mRNA, isolation, membrane filtration, transformed cells 829 sporangia, isolation, methodology 8158. wart disease, Solanum tuberosum, epidemiology, pathogenesis 8535. transformation, use, Xeroderma pigmentosum cell lines methodology 9868. Synchytrium trichosanthidis, canker, Cucumis melo var.mamordica, anatomy analysis 3976. Swabs,
culture methodology, Mycobacterium tuberculosis 869,
enumeration, methodology, cattle carcasses, bacteria contamination 5404,
transport methodology, anaerobic bacteria, serrobic bacteria 2685,
transport system, anaerobic bacteria survival, temperature association 6334,
transport systems, anaerobic bacteria recovery 6333.
Swalnoonia leasertilifolia,
Australia, Rhuzobium isolation, characterization 6990.
Swalnoonine,
effects on, Vesicular stomatitis virus, glycoproteins, oligosaccharides,
structure 4314.
Swaden,
Campylobacter fetus subspileiuni, entertiis, man, epideminiony, food canker, Cucumis meio var.mainroriica, anatumiy arianysis 3976.

Synergiam,
antwiral agents, antiviral activity, herpes simplex virus 1, herpes simply
virus 2 1572.
citrus infection, Geotrichum candidum+Penicillium digitatum 440.
β-interferon, antiviral agents, antiviral activity, herpes simplex virus 1,
Vero cells 697. ts, antiviral activity, herpes simplex virus 1, herpes simplex β-lactam antibiotics+antineoplastic drugs, antibacterial activity, gram-negitive bacilii 3385. nuclear polyhedrosis virus+deltamethrin, biological control, Mamestra brassicae, Spodoptera littoralis 9208. Campylobacter fetus subsp.jejuni, enteritis, man, epidemiology, food contamination 2055. forests, leaf itter decomposition, nutrient dynamics, Pinus silvestris 2300. soil, heavy metals gradients, respiration, fungi population dynamics assoc Penicillium digitatum spoilage oranges, association benzimidazole sensitivity 1318 Syngonium podophyllum, leafspot, Acremonium crotocinigenum, disease control, anilazine 1423. Synovial fluid, sociation Sweet potatoes, ethanol fermentation methodology 5569, ethanol fermentation, use, Endomycopsis fibuligera exo-1,4-α-D-glucosidase 9230. 6808 animals, bacteria recovery, media methodology 3609.

Syntrophobacter wollnii,
propionic acid metabolism, kinetics, digestion (anaerobic) 8944. propior Syphilis, Sweeteners,

«-L-aspartyl-phenylalanine methylester, organoleptic evaluation, spoilage,
beverages 3803.

Swimming, yprinia, congenital infection, fluorescent antibody test, diagnosis, man 863. diagnosis, TPHA test, hemaggiutination 2665, immunodiagnosis, fluorescent antibody test 9918. immunodiagnosis, rapid plasma reagin test 9917. man, association Norwalk agent infection, disease transmission, epidemiology 1710. immunodiagnosis, rapid plasma reagin test, toluidine red unheated serum test 17.10.

Tru., asstroenteritis, association Norwalk agent infection, epidemiology 1709. recreation sites, microbial pollution, phages, Escherichia coli 8970. Switzerland, clinical surveys, incidence, bacteria antibiotic resistance, aminoglycoside antibiotics 6003. Syringacin W-1, biosynthesis, Pseudomonas syringae, activity, Phaseolus vulgaris tissues infection 2114. Syringaresinol, oxidation, use, Fusarium solani enzymes 4730. Syringes, injectable vials, medical equipment, bacteria contamination, cost-benefit Swollen shoot virus, infection, yield, Cacao 391 Symbiosis, agricultural practices, research programs, Leguminoseae, Rhizobium, Latin America Syrlingomycin, Pseudomono, Pseudo analysis 9822. as syringae pv.syringae, effects on, Zea mays, mitochondria 2966. Agropyron trachycaulum, vesicular-arbuscular mycorrhizas, mines soil+soil amendment 4203.
Allium cepa, Glomus, growth association 9549. Syringotoxin, Pseudomon domonas syringae pv.syringae, effects on, Zea mays, mitochondria 2966. Systems. Aniothic tegal, stillottics, grown association 50%.
Azotobacter chrococcum, Cyperus rotundus 5946.
Cenococcum geophilum, Tilia cordata, morphology 4207.
development, endomycorrhizas, Rhododendron ponticum, structure 3199
ectomycorrhizas, Cistaceae, Tuberaceae, incidence 4210.
ectomycorrhizas, Tsuga heterophylla, relationship, survival, association, wood
ectomycorrhizas, Tsuga heterophylla, relationship, survival, association, wood drinking water, fungi incidence 1722. Systems ecology, soil acidification, nitrogen mineralization, forests, mathematical models 4138. 3164 S104. Elaphomyces persoonii, Vaccinium ashei, USA, Flonda, factors affecting 4192. Fraxinus pennsylvanica, vesicular-arbuscular mycorrhizas, growth association Tablets, Etaphomyces persoxonii, Vaccinium ashei, USA, Flonda, factors affecting 4192. Fraxinus pennsylvanica, vesticular-arbuscular mycorrhizas. Tablets, contamination, microorganisms, pressure effects on 3459. flouridade and septimental activity, oral cavity isolates 864. Glomus analysis of the spigary of the sp Glomus tenuis, interaction, Glomus monosporus, vesicular-arbuscular mycorrhizas Tagetes,
Pseudomonas syringae pv.tagetis infection, growth, cultivars, effects on symptoms 6944 Hedysarum coronarium, Rhizobium, nitrogen fixation, Israel 5947 2231 myoorhizas, Arbutus menziesii, Arctostaphylos manazanita, USA, California 4196. myoorhizas, Cybribdilum, Cattleya, greenhouses 9562. myoorhizas, effects on, Sophora secundiflora, seedlings growth, phosphorus Tagetes erecta,
phytotoxicity, Alternaria tagetica zinniol 9392.
Tagetes patulus,
endomycorrhizas colonization, growth, phosphorus nutrient availability effects on 9543. mycorrhizas, effects on, Sophora secundiflora, seedlings growth, phosphorus uptake 583, mycorrhizas, silviculture 2304.
mycorrhizas, trees, screening 3162.
mycorrhizas, trees, screening 3162.
mycorrhizas, Trifolium subterraneum, effects on nitrate reductase (NADH) 6997.
nitrogen-fixing bacteria, Cratylia floribunda, growth stage effects on 3232.
ntrogen-fixing bacteria, Zea mays, screening 7008.
Pisum sativum, Rhizobium leguminosarum, hydrogen recycling effects on nitrogen fixation 3229.
plants, endomycorrhizas, +methyl bromide furnigation, growth association, field trials 5910.

nutrient uptake, phosphorus, nutrient availability, endomycorrhizas 9544, stunt, methyl bromide furnigation induction, growth role endomycorrhizas 5913,

hungi, Triticum aestivum, soil microorganisms, amoeba, phagocytosis 4223.
Gaeumannomyces graminis, disease control, Pseudomonas seed treatments, Triticum aestivum 3158.

Gaeumannomyces graminis, disease control, use, Pseudomonas, Triticum aestivum Gaeumannomyces graminis, effects on Triticum yield 371.
Gaeumannomyces graminis, shading, effects on Gramineae senescence 3956.
Gaeumannomyces graminis f.sp.tritici, suppression, ameba, mycophagy, crop fields

Tagetitoxin,
Pseudomonas syringae, structure 6726.

food, role, psychrotrophic microorganisms 2909.

Taints.

Take-all,

Symbiosis, (continued)

trials 5910.

population growth, wastewater treatment ponds, algae, bacteria 2605.

Rhizobium, Cicer arietinum, effects on nodules 5966.

Rhizobium japonicum, characterization, Vigna unguiculata, Macroptilium atropupureum, Glycine max 8700.

Rhizobium japonicum, Glycine max, nodulation, photosynthesis, nitrogen cycle archi-

```
Take-all, (continued)
                                                                                                                                                                                                                                                                                                                                                                                                                       Teeth, (continued)
                          5920
                                                                                                                                                                                                                                                                                                                                                                                                                                man, bacteria contamination, dentistry instruments 2643.
topical application, fluoride treament, dental caries prophylaxis, man 8995.
             Gaeumannomyces graminis var.tritici, agricultural practices, effects on
               incidence, Triticum aestivum 9361.
Gaeumannomyces graminis var.tritici, crop rotation, Triticum aestivum 2266.
                                                                                                                                                                                                                                                                                                                                                                                                                     Teichola editional income reament, centar cares proprylaxis, man 8995.
Teichola edit,
Listeria monocytogenes, structure, immunological aspects 8327.
Staphylococcus aureus, antibodies detection, counter immunoelectrophoresis,
immunodiagnosis, infection 9927.
             Gaeurnannomyces graminis var.tritici, disease control, benomyi, carbendazim,
Triticum aestivum 507.
             Inflourn aestivum 507.

Gaeumannomyces graminis var.tritici, pathogenicity, nutrient availability, soil pH effects on, Triticum aestivum 3013.

Gaeumannomyces graminis var.tritici, soil, crops effects on survival 3954.

Gaeumannomyces graminis var.tritici, tritailmenoi seed treatments, Triticum aestivum 5067.
                                                                                                                                                                                                                                                                                                                                                                                                                                Staphylococcus aureus, antibodies, detection, enzyme-linked immunosorbent assay
                                                                                                                                                                                                                                                                                                                                                                                                                               Staphylococcus, enzyme-linked immunosorbent assay, detection, immunoglobulin G, immunoglobulin M, immunodiagnosis infection, man 9919.
                                                                                                                                                                                                                                                                                                                                                                                                                        Telchoicase
             Gaeumannomyces graminis var.tritici, Triticum, association, soil water 491.
Gaeumannomyces graminis var.tritici, virulence. Triticum aestivum 2137.
Triticum aestivum, ammonium fertilizer applications effects on 1331.
                                                                                                                                                                                                                                                                                                                                                                                                                                Bacillus subtilis, purification, characterization 7403. purification, physicochemical properties, Bacillus subtilis 957.
 Triticum aestivum, ammonium fertilizer applications effects on 1331.

Talaromycea emeraonil,
cellulase, hydrolysis, sugar beets cellulose 9153.
cellulase, production, activity 7432.
cellulase sorption, cellulose substrates 9240.
β-D-glucosidase, biological properties 31.

Talaromyces flavus,
biological control, wilt, Verticillium dahlae, Solanum melongena 1390.
soil microorganisms, Spain, check lists 3202.

Talaromyces uteus,
soil microorganisms, Spain, check lists 3202.

Talaromyces wortmannil,
soil microorganisms, Spain, check lists 3202.

Talopestin.
                                                                                                                                                                                                                                                                                                                                                                                                                       Telchomycin,
                                                                                                                                                                                                                                                                                                                                                                                                                             elchomycin,
antibacterial activity, comparison vancomycin 8899.
antibacterial activity, diptheroids 7977.
antibacterial activity, gram-positive bacteria 3437.
antibacterial activity, Streptococcus, Streptococcus 8011.
antibacterial activity, treatment, septicemia, gram-positive bacteria, mice 7183.
antibiotic sensitivity testing, gram-positive bacteria 6202.
± rifampicin, antibacterial activity, Staphylococcus, Streptococcus 3392.
                                                                                                                                                                                                                                                                                                                                                                                                                     Telchomycin A2,
antibacterial activity 3322.
                                                                                                                                                                                                                                                                                                                                                                                                                     Telfairia occidentalis,
disease resistance, mosaic disease 5042.
                                                                                                                                                                                                                                                                                                                                                                                                                     Temocillin,
antibacterial activity 6155.
   Talopeptin, isolation, Streptomyces mozunensis, characterization 923
                                                                                                                                                                                                                                                                                                                                                                                                                               antibacterial activity, Enterobacteriaceae 2552.
antibacterial activity, Enterobacteriaceae 2554.
antibacterial activity, Enterobacteriaceae 5254.
antibacterial activity, Enterobacteriaceae, 8-Jactamase stability 2550.
antibacterial activity, Eschenchia coli 2553.
antibacterial activity, Haemophilus influenzae type b 2546.
Enterobacteriaceae, Neisseria gonorrhoeae, Haemophilus influenzae, antibacterial
 Tannase, bacteria, tannin decomposition 5600, bacteria, tannin decomposition 5600, isolation, purification, characterization, Penicillium chrysogenum 7429. Tannic acid,
             stimulation, Armillaria mellea, rhizomorphs formation, role pathogenicity, trees
                                                                                                                                                                                                                                                                                                                                                                                                                  Enterobacteriaceae, Nelsseria gonorrhoeae, Haemophilus influenzae, antibacterial activity 2554.

Temperature,
Abies concolor, effects on canker 4157.
Acer, Verticillium dahilae infection, effects on growth 2321.
activated sludge, effects on 7198.
adaptability, soil microorganisms, ecological evaluation 5895.
antibiotics, effects on antibacterial activity, aerobic bacteria 1603.
assays, termentation equipment 9825.
association, anaerobic bacteria survival, swabs transport system 6334.
association, bacterial histamine biosynthesis, food poisoning 121.
association, digestion (anaerobic), anaerobic bacteria, sewage treatment 5289.
association, food poisoning, Salmonella, Clostridium perfringens, Campylobacter, epidemiology, British Isles 3828.
association, Pseudomonas syringae infection, Populus trichocarpa, symptoms 4173.
chickens carcasses, effects on food contamination, Enterobacteriaceae Salmonella 4786.
                           1455.
    Tannin.
                 decomposition, tannase, bacteria 5600.
   Tanning,
industrial wastes, digestion (anaerobic), methanogenesis 8964.
   Tannins, soil amendment, effects on, Pseudomonas solanacearum, Penicillium, respiration, soil amendment, effects on, pseudomonas solanacearum, pseudomonacearum, pseudomonacea
   glucose oxidation 593.
Tanzania,
            forests, mycorrhizas symbiosis, trees, shrubs 2296.
mycoplasma-like organisms infection, Cocos nucriera, etiology 3972.
   Taraxacum,
infection, lettuce mosaic virus 2177
   Taraxacum officinale,
disease reservoirs, tornato ringspot virus, prunus 1209.
isolates, dandelion latent virus, purification, characterization, plants
                          infection 416.
            Xiphinema americanum, transmission, tomato ringspot virus 8595.
                                                                                                                                                                                                                                                                                                                                                                                                                                        4786
                                                                                                                                                                                                                                                                                                                                                                                                                            478b.

cold storage, effects on growth, coliforms, yeasts, butter 8465. effects on Aeromonas salmonicida subsp.salmonicida, biochemical characteristics, novobiocin drug resistance 5167. effects on Agrobacterium tumefaciens, crown gall, Helianthus annuus, Kalanchoe
   Tarsonemus,
vectors, blue stain, Ceratocystis minor, Pinus 3168.
vectors, blue stain, Ceratocystis minor, Pinus 3168.

D(-) Tartate dehydrogenase, siconzymes, Pseudomonas, isolation, characterization 21.

Fartrate dehydrogenase, etc. and in the properties of the properties o
                                                                                                                                                                                                                                                                                                                                                                                                                          effects on Agrobacterium tumefaciens, crown gall, Helianthus annuus, Kalanchoe 8574.

se effects on Alternaria alternata growth, Helianthus annuus 6800. effects on, Alternaria solani, infection, wound healing, solanum tuberosum 4003. effects on, antifungal activity, amphotericin B, Sporothrix schenckii 1569. effects on Bacillus thruringiensis sterilization 4323. effects on Bacillus thruringiensis stubsp.israelensis spores viability, biological control Aedes aegypti 4713. effects on, Bacillus thruringiensis, var.israelensis, pathogens, biological control, Culex pipiens molestus 2075. effects on, bacteria, food contamination, beef, pork 241. effects on, bacteria, food contamination, beef, pork 241. effects on Botrytis crinerea post-harvest decay, grapes 2905. effects on Botrytis crinerea post-harvest decay, grapes 2905. effects on, Campylobacter coii, Campylobacter fetus subsp.jejunl, milk, survival 189.
                                                                                                                                                                                                                                                                                                                                                                                                                                        189
                                                                                                                                                                                                                                                                                                                                                                                                                            189.
effects on Campylobacter fetus media (enrichment), isolation, poultry 8141.
effects on carbon dioxide gas production, soil, Japan 8668.
effects on, carbon dioxide, production, soil microorganisms 577.
effects on catalase kinetics, soil 3200.
effects on corn, Aspergillus oryzae, fermentation, ethanol 8395.
effects on, dieback, Phytophthora parasitica, overwintering, Rhododendron 9389.
effects on disco-diffusion test antibiotic sensitivity testing 7976.
effects on, Drechslera graminea, disease spread, leaf stripe, Hordeum vulgare
calcoacoticus 7905. 
Taxonomy, 
Actinoplanes awajinensis subsp.mycoplanecinus, new taxa, biosynthesis, 
mycoplanecins 9789. 
Berberis, Mahonia, rust, Cumminsiella 423. 
Capnocytophaga, identification keys, computer programs 843. 
Graphiola phoenicus infection, Phoenix canariensis, utrastructure 4008. 
Laciobacillus, relationship, bacteriocins antibiotic sensitivity testing 1659. 
Nocardia, association, antibiotic sensitivity testing 2517. 
Rhizoctonia solani, mating types, pathogenicity, plant diseases, reviews 2974. 
Spiroplasma, growth inhibition test, use 2687, 
Stenella bougainvilleae sp.nov., isolation, Bougainvillea spectabilis, host 
plants 1254. 
Streptomyces albulus subsp.tetrafungini, biosynthesis, tetrafungin, comparison
plants 1254.

Streptomyces albulus subsp.tetrafungini, biosynthesis, tetrafungin, comparison, nystatin 9771.

Streptomyces albus, menaquinone structure, use spectroscopy 5552.

Streptomyces, thiotetromycin, biosynthesis, physicochemical properties 6190.

Taxonomy (numerical), bacteria, computer applications 9887.

microorganisms, computer programs, proteins electrophoresis 8091.
                                                                                                                                                                                                                                                                                                                                                                                                                                      aestivum 3932
                                                                                                                                                                                                                                                                                                                                                                                                                                     5134
These dips, iodine, mastitis incidence, cattle 4462. prophylaxis, mastitis, cattle 8071. quaternary ammonium compounds, antibacterial activity, disease control, mastitis, cattle 1728. udder hygiene, in vitro susceptibility, Staphylococcus aureus 6038.
```

Teens, effects on bacteria contamination, milk, cattle 5950. washing, effects on bacteria contamination, milk, cattle 5950. Technology, clinical microbiology, use, bacteria enzymes 970. ethanol fermentation, yeasts 142.

Teeth, fluoride topical application, dental caries prophylaxis, man 8996.

1425.
effects on, elimination, tobacco mosaic virus, cowpea chlorotic mottle virus,
Nicotiana tabacum, Vigna unguiculata 457.
effects on extracellular protein biosynthesis, Streptococcus equisimilis 8214.
effects on, foot-and-mouth disease virus strains, growth 2469.
effects on rungi decomposition, wood, Fagus sylvatica 9530.
effects on growth, Monosporascus eutypoides, infection, Cucumis melo 5758.
effects on infectivity, Puccinia recondita f.sp.tritici, leaf rust, Triticum effects on iron oxidation, bacteria, rivers contamination, mines waste water 5134-6 effects on, lactic-acid bacteria, ripening, cheese 8460. effects on, lipplysis, activity. Thannidium elegans, Mucor mucedo, Chaetostylum fresenii 5512. resenti pol 2.

effects on Lycopersicon esculentum post-harvest decay, Erwinia carotovora subsp.carotovora 1330.

effects on, methanogenic bacteria, methanogenesis 8715.

effects on, microbial pollution, bacteria, rivers 6264.

effects on, occurrence, ochratoxin A, Aspergillius ochraceus, Penicilium viridicatum 7624. effects on, pathogenesis, brown spot, Septona glycines, Glycine max 2105.
effects on, pathogenesis, Phytophthora parasitica var.nicotianae, black shank,
Nicotiana tabacum 3050. NICOTARIA tabacumi 3000. effects on, Phytophthora megasperma f.sp.glycinea, pathogenicity, Glycine max, Medicago sativa. Cicer arietinum 336. effects on, powdery mildew, Begonia 401. effects on fihizobium, growth rate, competition, nodulation, Vigna unguiculata Subject Index Tetracycline, (continued)
antibacterial activity, Haemophilus influenzae, Streptococcus pneumoniae 7985.
antibacterial activity, Pharmacokinetics, side effects 5172.
antibacterial activity, Enckettsa 1640. Temperature, (continued) effects on, Salmonella typhimurium, Escherichia coli, growth, animal wastes, pigs effects on, soil microorganisms respiration 3206. effects on Solanum phureja disease resistance, Pseudomonas solanacearaum antibacterial activity, Rickettisa I 640.
antibotic resistance development, bacteria 6020.
antibotic resistance development, bacteria 6020.
antibotic resistance, Propionibacterium, clinical isolates, acne 8796.
antibotic resistance, Pseudomonas aeruginosa 7023.
antibotic resistance, Pseudomonas aeruginosa 7023.
antibotic resistance, Rafors, Shizobium japonicum 7875.
antibiotic resistance, Rafors, Shigella 7044
antibiotic resistance, Salmonella isolates, Netherlands, incidence 5161.
antibiotic resistance, Staphylococcus aureus L form, cell fusion, recombinants infection 434 effects on, Staphylococcus aureus, β-lactam antibiotics, antibiotic resistance 3282. resistance 3282.

effects on Streptomyces rimosus cryfetracycline biosynthesis 2564.

effects on Streptomyces rimosus cryfetracycline biosynthesis 2564.

effects on Surviva, stim-mik, beef 217.

stored on the streptomy strepto antibiotic resistance, transfer, Clostridium difficile 6011. antibiotic resistance, transfer, Clostridium dirficiles 6011.

Antibiotic sensitivity testing, antibiotic resistance, Haemophilus influenzae, Haemophilus parainfluenzae 7873.

antibiotic sensitivity testing, Clostridium perfringens 4336.

antibiotic sensitivity testing, Neisseria gonorrhoeae 5240.

antibiotic sensitivity testing, Staphylococcus clinical isolates 9734.

antibiotic synergism, penicillin, rifampicin, Rickettsia prowazekii, Rickettsia sibirica, choic embryos 7969.

bacteria unnary tract isolates, antibiotic sensitivity testing, antibiotic resistance 4287

Bacteroides fragilis antibiotic sensitivity testing 7130.

biosynthesis parameters, fermentation equipment, Streptomyces 8871.

comparison, minocycline, transport, relationship, susceptibility, Escherichia 8667.

Now, scanning electron microscopy, soil microorganisms 578.

Malus domestica buds, powdery mildew, effects on survival 1211.

Pisum sativum, pathogenicity, Fusarium oxysporum f.sp.pisi, effects on 7653. relationship, Dipiodia pinea infection, Pinus radiata seedlings 7786. relationship, N.-d-imethylododecanamine antibacterial activity 5175. relationship, wastewater freatment 5330.

Tole, disease resistance, Melampsora medusae leaf rust, Populus deltoides, Populus euramericana 6911. coli 1635 comparison, thiacycline, antibacterial activity 1637. detection, milk, blood 4393. effects on, Bordetella pertussis ultrastructure 1599 detection, mik., biodo 4393.

effects on, Bordeteila pertussis ultrastructure 1599.
Escherichia coli excretion, role susceptibility artibiacterial activity 9767.
+ethonium, antibactenal activity, bacteria 1558.
Neisseria gonorrhoeae antibiotic sensitivity testing 3382.
resistance, association, cadmum sensitivity, Escherichia coli plasmids 1536.
resistance, enhancement mechanismis, genetic analysis, Escherichia coli 7894.
resistance, Escherichia coli, clinical isolates, British 1sles 1540.
resistance, Escherichia coli, statistical sensitivity testing comparison 6092.
Salmonella clinical isolates, antibiotic sensitivity testing 6112.
Sensitivity, pathogens 7077.
Streptomyces aureofaciens, biosynthesis, fermenters aeration 8870.
susceptibility, Escherichia coli, statistical analysis methodology 1795.
treatment, mycoplasma-like organisms proliferation disease, Malus 3023.
Yersinia pestis antibiotic sensitivity testing 6110.
Tetracyclines.
antibiotic sensitivity testing, Propionibacterium acnes, clinical isolates 3381.
physicochemical properties 2665.
resistance. Escherichia coli 1545.
Tetarument, Mycoplasma infection, plants 5840. Populus euramericana 6911.
role, proteinase biosynthesis supression, Bacillus megaterium 7425.
role, Rhizobium viability association storage 7242.
roots, Glycine max, effects on symbiosis, Rhizobium japonicum 6940, salt marshes soil, effects on denitrification 2367.
scab, Malus, effects on pathogenesis 2149, siudges digestion (anaerobic), effects on 7199, sludges digestion (anaerobic), effects on 7199, sludges digestion (anaerobic), effects on 789, soil, denitrification, nitrous oxide measuring techniques 612, soil microorganisms, nitrate reduction, effects on 7839, soils (loam), effects on survival, mycorrhizas 1481.
Staphylococcus aureus cell culture, relationship media (selective) 2661, starfer cultures, lactic acid bacteria, buttermik production 4802, storage conditions, effects on ripening, proteolytic enzymes, organoleptic evaluation, Cheddar cheese 9271.
storage conditions, siffects on ripening, proteolytic enzymes, organoleptic evaluation, cheddar cheese 9271.
storage conditions, siffects, effects on, Pseudomonas, Moraxella, Lactobacillus 8498. Lardobacillus 8498.
susceptibility, not. Erwinia carotovora subsp.carotovora, Solanum tuberosum 3062.
toxicity, factors affecting, Bacillus thuringiensis, Culex quinquefasciatus,
Aedes aegypti, Anopheles albimanus, Anopheles quadrimaculatus 8380.
Ventuna inaequalis, effects on fruit bodies development 1224.
Vibrio ecological distribution, coastal waters 6259.
Zymormonas mobilis cell culture, factors affecting 9056.
Temperature jump studies,
use, microwave oven, bacteria gene amplification 9892.
Temperature tolerance,
Melampsora medusae isolates, Populus deltoides infection 2206.
Temperature-sensitive mutant,
cell division, Escherichia coli, penicillins effects on inorganic pyrophosphatase
levels 8000.
Tephroals purpurea, Tetrafungin, biosynthesis, Streptomyces albulus subsp.tetrafungini, taxonomy, comparison nystatin 9771.
Streptomyces aibulus, biosynthesis, characterization 9769.
4-O-Tetrahydro-pyranyladriamycin,
metabolites, high-performance liquid chromatography 9203.
synthesis, biocides 5224.
Tetrahydro-pyranyladriamycin nystatin 9771 Tetrahydrocerulenin,
Cephalosporium carulens, use affinity labelling, fatty-acid synthetase 8883.
Tetrahydrofolate dehydrogenase,
genes, trimethoprim, drug resistance, Escherichia coli, Klebsiella pneumoniae
1522. Vevis occo.

Tephrosia purpurea, extracts, antifungal activity 1570.

Teratogenicity testing, Chaetomium cellulolyticum, single-cell protein, laboratory animals, chickens, sheep 9116.
ngle-cell protein, Basidiomycetes, animal models 9113. interaction methotrexate analogs, fluorescence, Lactobacillus casei 2801. NADP⁺, thioNADP⁺ binding, nuclear Overhauser effect, Lactobacillus casei Terblum, nors, interaction, inorganic pyrophosphatase binding sites, Saccharomyces cerevisiae 4667. 2785.

1,2,3,4-Tetrahydronaphthalene,
biodegradation, Pseudomonas stutzeri 8718.

Tetrahymena pyriformis,
predator-prey interactions, Escherichia coli, attachment, continuous culture

sion, Escherichia coli lacZ gene, rifampicin effects on, gene expression 1626.

Final RNA, plant viruses, hybridization analysis methodology 9867.

remitaria, mounds, soil microorganisms community composition 5908.
Terpenoids, abienol, sclared, conversion, bacteria 6616,
Bothytis cinerae conversion, musts 5566.
Paraherquonin, Penicillium paraherquei, isolation, structure 8376.
Terrestrial ecocaystems, forests, nitrogen cycle, association nitrification 513,
nitrogen cycle, factors affecting, conferences 908.
Isolation, securities. isolation, separation, methodology, Aspergillus terreus 286.

Territrem A, isolation, separation, methodology, Aspergillus terreus 286

Territrem B,

isolation, separation, methodology, Aspergillus terreus 286.

Tertlary butylhydroquinone,
effects on Aspergillus, growth, aflatoxins biosynthesis 5646.

46-Testosterone,
photostfinity labelling, 45-3-ketosteroid isomerase, Pseudomonas testosteroni

5489

Testoaterone-binding protein, purification, characterization, cell membranes, Pseudomonas testosteroni 6394. Tetanus,

toxins, antibodies, blood donors, screening, latex agglutination 3621.

Tetrachaetum elegens, blooderdation, Populus tremuloides, leaf litter 8045.

4,5.6,7 Tetrachlorophthalide, blast, Oryza sativa, effects on Pyricularia oryzae pathogenesis 5827.

Tetracladium marchallanum, biodegradation, Populus tremuloides, leaf litter 8045

Tetracycline, antibacterial activity, diptheroids 7977.

Tetramethyl pyrazine, biosynthesis, Bacillus cereus 1983.

Tetramycin, +ethonium, antibacterial activity, Pseudomonas aeruginosa, clinical isolates

2523

characterization, Saccharomyces cerevisiae, relationship breweries, breweries, relationship, Saccharomyces cerevisiae, tetraploidy characterization 2863.

+ Hydrodictyon reticulatum, mixed culture, environmental conditions effects on fermentation 2858.

reduction, use, antibiotic sensitivity testing, Streptococcus, methodology 9975.

use, measuring techniques, Saccharomyces uvarum respiration 9088.

Tetrocarcin, Micromonospora chalcea, biosynthesis, carbon-14 incorporation 8905. Micromonospora chalcea biosynthesis, structure, antibacterial activity, gram-positive bacteria 1671.

Tetrocarcin A, activity, Bacillus subtilis 7178. biosynthesis, Micromonospora chalcea 2572.

Tetronic acids, Penicillium multicolor, sodium acetate incorporation, oxygen distribution 7287. Penicillium multicolor, sodium acetate incorporation, oxygen distribution 7287. Texazone,

Actinomyces biosynthesis, structure 8337.

Textile industry, industral effluents, wastewater treatment, bibliographies 1696. Thalland,

mung bean yellow mosaic virus Bernisia tabaci disease transmission, host range, purificaiton characterization 6813. Neisseria gonorrhoeae, antibiotic sensitivity testing 7078.

Thailand, (continued)

Ustilago coicis smut incidence, Coix lachryma-jobi 5770.

Thalassia testudinum,

leaves, fungal flora, sterilization methodology 3623. Thamnostylum,

Thamnostylum, new records, India, soil microorganisms 7794.
Thanataphorus, isolation, use, media (culture) + validamycin 2709.
Thanataphorus cucumeris, virulence, root rot, crown rot, Beta vulgaris 5008.
web blight, Phaseolus vulgaris, epidemiology, Costa Rica 9325.
Thannidlum elegans, lipolysis, proteolytic enzymes, activity, temperature, effects on 5512.
Thelephora terrestris, ectomycorhizas, effects on Pinus taeda, land reclamation, mines 2305.
mycornhizas, Pinus patula, India 2303.
mycornhizas, Pinus taeda, soil amendment, land reclamation, mines, revegetation 2302.
phosphorus nutrient sources.

phosphorus nutrient sources, mycorrhizas, seedlings 1441.

hemeda villosa, susceptibility, downy mildew, Peronosclerospora sorghi 5700.

Themede villosa, susceptibility, downy mildew, Peronosclerospora sorghi 5700.

Theobroma cacao, beans, fermentation, thermophilic fungi post-harvest decay 8601. cacao swollen shoot virus, detection, enzyme-linked immunosorbent assay 7221. cacao swollen shoot virus infection, pathogenesis 3026.

Crinipellis pemiciosa witches' broom, histopathology 398. dieback, Oncobasidium theobromae, China, People's Rep. 7679. fermentation, methodology, effects on, temperature, acidity, food quality 3842. Phytophthora black pod, effocts) 498. Phytophthora black pod, effocts) 498. Phytophthora black pod, effocts of 398. Phytophthora palmivora cycle, ruthient sources 3219. speedlings, pathogenicity, Phytophthora 3966.

Theobroma cocos.

Phytophthora palmivora canker, metalaxyl treatment, disease control 1417. Therfoaphia trifoili meculata, biological control, pathogens, Zoophthora radicians 1033. Thermat. Injury, Kluyveromyces fragits, ethanol, effects on 8394. Salmonella typhimurium, recovery, media (enrichment), media (selective) 3574. Staphylococcus aureus, recovery, media products, preservatives effects on 264. Thermat. Injury, affatoxin M1, milk 8505. Proteinase activity, Thermoactinomyces vulgaris 2761. Pseudomonas fluorescens, proteinase, extracellular encymes 4663. Staphylococcus aureus, nuclease, role viability, food processing 266. Thermiles, role, 1,3-diaminopropane incorporation, Clostridium thermohydrosulfuricum

Staphylococcus aureus, ruceease, role viability, food processing 256.

Thermine,
role, 1,3-diaminopropane incorporation, Clostridium thermohydrosulfuricum
polyamines biosynthesis 9205.

Thermitase, characterization, thermoactinomyces vulgaris 4683.
Thermoactinomyces vulgaris, active sites, sulfhydryl groups, chemical modification 3685.

modification 3685.

Thermoactinomyces vulgaris,

α-amylase, activity 1939.

α-amylase, purification, characterization 1919.

asparaginase isolation, characterization 9181.

fermentation, proteinace, growth, characterization 3701.

proteinase activity, autolysis, thermal stability 2761.

serine proteinase, active sites, structure-activity relationships 3665.

spore germination methodology, association carbon dioxide 5384.

thermitase active sites, sufflwdryl groups, chemical modification 3685.

Thermoaseurs autrentification 4683.

thermasse characterization voo.

Thermosecus aurantiacus,
cellulase production 1851.
post-harvest decay, Theobroma cacao beans fermentation 8601,
post-harvest decay, tobacco leaves, association storage 8599.
Thermodeautiboacterium commune,
sulphite reductase, purification, characterization 3664.

Thermomonospora, lactose solutions, growth inhibition, heat sterilization 2907.

Thermomonospore, lactose ottimors, growth inhibition, heat sterilization 2907.
Thermomonospore curveta, mutants, cellulase biosynthesis 974.
Thermomonospore curveta, curveta, curveta, cellulase production, cyclic AMP levels, catabolite repression 9179.
Thermophile microorganisms, digestion (aerobic), waste treatment, sewage sludge 8939.
Thermophilic bacteria, actinomyocles, sewage sludge composts, distribution 5312. adenosinetriphosphatase, hydrodynamics, fluorometry 1879. biomass, digestion (aerobic), sewage sludge 8931. cellulase, purification, characterization 5505. digestion (aerobic), sewage sludge 9831. cellulase, purification, characterization 5505. digestion (aerobic), sewage sludge 4431. methane production, isolation, growth, morphology 2386. polysaccharides biosynthesis, carbohydrate composition 6573. sewage sludge, digestion (anaerobic), heavy metals toxicity 8063. starter cultures, fermentation, acidic curd cheese 8459.
Thermophilic fungi, Aspergilius furnigatus, cellulolytic enzymes 8261. biodegradation, Canarium schweinfurthii, bark 550. colonization, environmental surveys 3190. isolation, strux, Triticum, Vicia taba, composting 3780. isolation, strux, Triticum, Vicia taba, composting 6601. post-harvest decay, Theobroma cacao beans fermentation 8601. post-harvest decay, Dacaco leaves, association storage 8599. soii, surveys, Syria 7818.
Thermophilic microorganisms, anamylase biosynthesis, fungi, bacteria, yeasts 1913. composting, sewage sludge 6253. dehydrogenase activity, soil moisture, soil characteristics, plant communities, deserts 9559. hydrogen bacteria, 2-methylthio-1,4-naphthoquinone structure 6819.

hydrogen bacteria, 2-methylthio-1,4-naphthoquinone structure 6619.
Thermoplasma,

protein biosynthesis, biochemical characteristics 9123.

Thermoplasma acidophilium, ferredoxin, purification, characterization 922.

Thermopolyspora faeni,

lung, immunoprecipitation, diagnosis, man 4486. Thermus, factors affecting, growth, reactors, methodology 1794.

Thermus aquaticus,

citrate synthase, succinyl-CoA synthetase (GDP-forming), isolation, characterization 5497.

characterization 5497.
continuous culture, growth, media (culture) 2691.
NADH dehydrogenase, purfication, characterization 4618.
proteinase biosynthesis 6514.
Thermus caldophilus,

extracellular proteinase, purification, characterization 6478. Thermus ruber,

DNA polymerase, punfication, characterization 6471. Thermus thermophilus,

elemus mermopinius, elongation factor G, crystallization 4574. elongation factor G, purification, characterization 1829. endodeoxynbonuclease Thi111, purification, characterization 1885. glyceraldehyde-phosphate dehydrogenase, purification, characterization 4640. immobilized enzymes, malate dehydrogenase 50. polyamines, structure, characterization 8194.

polyamines, structure, characterization of 194.

Thiabendazole,
antifungal activity, oranges green mold, comparison, sodium orthophenylphenate,
CGA-64251 1319.
antifungal activity, tolerance, Trichoderma viride 3154,
disease control, Rhizoctonia solani, stem canker, black scurf, Solanum tuberosum

resistance, Penicillium italicum, blue mold, oranges 6009, specificity, cell cycle, Schizosaccharomyces pombe 690. Thiacycline,

Inlacycline, antibacterial activity, comparison, tetracycline, doxycycline, minocycline 1637. 2H-1,3,5-ThiadlazIne-2,4(3H)-dione, derivatives, symthesis, antimicrobial activity, bacteria, fungi 1585. 1,3,4-Thiadlazolo [3,2-a]-s-thazIne-5(6H, 7H)-thiones,

synthesis, antifungal activity 4307

effects on citric acid production, Aspergillus niger 5468. production, immobilized cells, Propionibacterium 4725.

Thiamin pyridinylase, purification, characterization, Bacillus thiaminolyticus 8257. Thiamphenicol,

hlamphenicol, analogs, synthesis, antibacterial activity 2439. antibacterial activity, bacteria, clinical isolates 9669. antibacterial activity, Haemophilus influenzae, Neisseria gonorrhoeae, Salmonella typhi, Salmonella paratyphi 756. antibacterial activity, Neisseria gonorrhoeae 4334. antibacterial activity, Streptococcus pneumoniae 7154.

antibocrerial activity, orientaceus presuminas 7174.

Thiatetracycline,
antibacterial activity comparison, tetracyclines 6182.

Thiazolidine-4-carrboxylic acid,
incorporation, Claviceps purpurea, ergosine biosynthesis 1032.

Thiazolidonome, +sulfanilamide, synthesis, antibacterial activity 4294.

Thickness, factors affecting, activated sludge 5304.
Thielavia terricola,
thielavin, prostaglandin synthase, inhibitors structure 7490.

Thielavin. Thielavia terricola, prostaglandın synthase inhibitors, structure 7490.

Thielava terricola, prostagianoin synthase innibrors, structure 7450. Thielaviopels basicola, black pod, disease resistance, plant breeding, Arachis hypogaea 9465. black root, histology, llex crenata 4994. chlamydospores, germination, nutrient availability, fungistasis, soil 9572. infection role, Pratylenchus invasion inhibition, Pisum sativum 9333. Thielaviopels paradoxa, soft rot, Citrus medica, factors affecting enzymes 5738.

sont rot, urbus medica, factors ameding enzymes 5736. Thienamycin, biosynthesis, Streptomyces cattleya, factors affecting 6184. Campylobacter fetus subsp.jejuni drug sensitivity testing 4292. derivatives, antibacterial activity 3442. media (Isolation), Pseudomonas maltophilia, feces 9066. production, Streptomyces cattleya, balance studies 7997.

production, Streptomyces cattleya, balance studies 7997.

Thimarosal, preservatives, nose sprays, Pseudomonas cepacia survival 7118.

Thin-layer chromatography,

bioassays, B-D-glucosidase, activity, use, Penicillium expansum 7270.

carbapenems 9712.

mycotoxins, use, chromotropic acid 6697.

penicillins separation techniques 2549.

Thinning, effects on fauit broties production. Basidiomycetes 6907.

Trining, torests, effects on fruit bodies production, Basidiomycetes 6907.

Thiobacillus, amine dehydrogenase, purification, physicochemical properties, substrate

amine denyarogensse, purincauni, priysicontennos proportes, societa, specificity, subunit structure 64. antibacterial activity, detergents 7914. enumeration, concrete walls corrosion, sewers, Germany, Fed. Rep. 7537. identification, isolation, drinking water 9818.

Thiobacilius denitrificans, denitrification, kinetics, wastewater treatment 6243.

nitrate reduction, entrapment, agarose 874. Thiobacillus ferrooxidans,

Thiobacillus ferrooxidens, adsorption, coal 8712. cell culture contamination, acidophilic bacteria, heterotrophic bacteria, elimination methodology 9978. pyrite oxidation, solubilization, iron valency 8709. uranium solubilization 787. Thiobacillus thioparus, biodegradation, O.O-dimethyl phosphorodithioate, pesticides (organophosphorus) derivatives 3787.

sulfur conversion, soil, continuous culture 7793.

Thiobenzylpyrimidine, antibacterial activity, structure-activity relationships 6036.

Thiocitic acld,

man, mushroom poisoning treatment 5612.

 4-Thiocyanatopyrazoles, antifungal activity, phytopathogenic fungi 6875.
 Thiocyanic acid,
 processing processing formanted in HIDCYANIC BCID,

+ hydrogen peroxide, preservation fermented milk products, spoilage, psychrotrophic bacteria 6685.

2-{Thiocyanomethyl) benzothiazole, disease control, stain, wood, Pinus 5882.

Thioseterase, rais manners, client interesting the product of the Thyssanophora penicillioides,
Lanx defoliation, association Adelges grazing 540. Tiamulin, treatment white leaf disease, Cynodon dactylon 510. Ticarcillin. natioacterial activity, diptheroids 7977.
antibacterial activity, Pseudomonas 744.
antibacterial activity, Pseudomonas 744.
antibacterial activity, Pseudomonas aretuginosa 6128.
antibiotic sensitivity testing, gram-negative bacilli 8001.
+cefsluodim, antibacterial activity, Pseudomonas aeruginosa, Serratia marcescens rats mammary gland, interaction fatty-acid synthetase, yeasts 8279.

Thioesterase I,
purification, characterization, Mycobacterium smegmatis 8220. 6-Thioguanine, effects on DNA incorporation, vaccinia virus 9691 ThioNADP⁺, 6093.
clavulanic acid, antibiotic synergism, antibacterial activity 6147.
comparson Haemophilus influenzae, temocillin antibacterial activity 6155.
effects on Pseudomonas aeruginosa morphology 9752.
± tobramyoin, calcium, magnesium, zinc, effects on, antibacterial activity,
Pseudomonas aeruginosa 754.
Tlck-borne encephalitis,
kodidae, diagnosis, indirect hemagglutination 3518.
Tlck-borne encephalitis, kodidae, diagnosis, indirect hemagglutination 3518.
Tlilia cordata,
Cenoposcum peophilum symbiosis, morphology 4207. binding tetrahydrofolate dehydrogenase, nuclear Overhauser effect, Lactobacillus case: 2785 copper complex, Saccharomyces cerevisiae, reconstitution laccase, Rhus vernicifera 6497. Thiopedia rosea, flocculation, lagoons, sewage effluents, anaerobic conditions 8064 Thopathi, Saponis, sarvage intensis, and concentration. Thopathin, Streptomyces tateyamensis, structure 8914. Streptomyces tateyamensis, structure 8915. Thiophanete, antifungal activity, Ceratocystis fimbriata f.sp.platani 694. nila Cortoaua, Cenococcum geophilum symbiosis, morphology 4207. Cenococcum geophilum symbiosis, relationship, drought 4206. sap, interference biological control, bacteria, Insecta 2831. antifungal activity, Ceratocystis fimbriata f.sp.platani 694.

Thlophanata methyl,
antifungal activity, loterance, Trichoderma viride 3154,
effects on Condidobilus obscurus resting spores spore germination 7762.
effects on fungi spore germination 7765.
Trichoderma viride 3154.
Thophane,
derivatives, antimicrobial activity 9704.
Thlophane-2-carboxylate,
metabolism, phototrophic bacteria 152.
Thlophaphamide,
cytotoxicity, Escherichia coli morphology 2444.
Thloredoxiti, Escherichia coli morphology 2444.
Thloredoxiti, Thophanation, C.D., Escherichia coli 5463.
Thlosemicarbazide,
salts, antibacterial activity 7923.
Thlosemicarbazide,
salts, antibacterial activity 7923. Tilia europea, 7-hydroxycalamenene detection, response, association, Ganoderma applanatum infection 6844. Tillage, crop production (no-tillage), association, soil nitrate reduction, USA, Maryland, USA, West Virginia 5950.
effects on Glycine max, nodulation, nitrogen fixation, seeds yield 5130. effects on, soil properties, microorganisms, biomass, carbon, nitrogen, mineralization 2359. vertical distribution, Cochliobolus sativus, soil, Triticum aestivum 9358. Zea mays, disease control, brown spot, Physoderma maydis 7736. Tilletta carles, bunt, Triticum aestivum 1196. Tilletta carles, Tilletta carles Tillage. bunt, Influum aestivum 1196.

Illietia controversa,
bunt, disease control, fungicides seed treatments, Triticum aestivum 4110.
bunt, spores contamination, grain, Triticum aestivum 1329.
bunt, Triticum aestivum 1196.
bunt, Triticum aestivum disease control, fungicides foliar applications 4111.

Tilletta foetida,
bunt, Triticum aestivum 1196. sants, antibacterial activity /923.

Thiosemicarbazones,
antiviral activity 7098.
antiviral agents, antifungal agents, synthesis 7114.

Thiostrepton,
streptomyces, structure, N.M.R. 8913.
structure 8915.

Thiosulfats. Time,
effects on Bacillus thurngiensis stenlization 4323.
effects on Campylobacter fetus subsp.jejuni media (enrichment), isolation,
poultry 8141.
inoculation, potato leaf roll virus, effects on, pathogenesis, Solanum tuberosum
3084. Thiosulfate, Thiosulfate, oxidation, enzymes isolation, marine environment, Pseudomonas 7404.
Thiosulfate sulfurtransferase, biodegradation, chlordazon, bacteria 156.
Thiosulphate cyanide sulphurtransferase, sand, activity, correlation, egetation, British Isles 6955.
Thiosulphate sulphurtransferase, activity, soil microorganisms, humaus, forest floor 7777.
Thiotetromycin, uptake, Streptococcus mutans, stannous fluoride effects on 8771. uplater, usepo-Inidazole, antibacterial activity, anaerobic bacteria 3312. Campylobacter fetus subsp.jejuni drug sensitivity testing 4292 effects on, Bacteroides, growth 6100. Iniciatromycin,
Streptomyces, taxonomy, biosynthesis, physicochemical properties 6190.

2-Thlouracil,
effects on, tobacco mosaic virus, RNA biosynthesis, protein biosynthesis 5220.
injection, disease control, apple mosaic virus, Malus pumila 9500. effects on, Bacteroides, grown 6100.

Tioxaprofen, antifungal activity, mitochondria, respiration uncouplers, Trichophyton mentagrophytes, Trichophyton rubrum 8786.

Tissue culture, adamantane, derivatives, antiviral activity, influenza A virus 7949.

Mycoplasma hyorhinis, detection, methodology 2690.

Nicotiana tabacum, digitionin effects on virulence, mycoplasma-like organisms 2175. Thloures. derivatives, antiviral activity, potato virus X, Nicotiana tabacum 8641 Thiram. effects on Macrophomina phaseolina spore germination 7760, seed treatments effects on Glycine max 5844. Threonine, biosynthesis, Serratia marcescens 4580. effects on valine sensitivity, Escherichia coli, association, nutrient status Saccharum officinarum, sugarcane mosaic virus survival 1154. lar stomatitis virus infection, interferon levels, enzyme immunoassay 1749. Vitis vinifera, growth, Plasmopara viticola, downy mildew 1289. 33/04.

37/04.

STORY Troduction, Brevibacterium lactofermentum, Escherichia coli, whey 3655.

Threonine aidolaea.

activity, Lactobacillus, effects on milk flavor 7587.

Threonine dehydrataea,

Proteus morganii, biosynthesis, purification, characterizaton 1900. Tissues, color, calcium chloride preservatives, association, viruses infection, plants 2093. 2093.
damage, beel, mutton, bacteria contamination, beef, mutton 181.
Dermacentor marginatus, fixation, disinfection, tularemia, diagnosis 1774.
fluorescence, diagnosis, cocidioidomycosis, candidiasis, Aspergillus,
histoplasmosis 4525. Phytophthora cinnamomi experimental infection, disease resistance 472. Thyamphenicol, antibiotic sensitivity testing, Clostridium perfringens 4336. fungi detection, use, self fluorescence 8156. Legionella pneumophila staining 5377. Thylakoids, reaction centers, cytochrome c2, purification, Rhodopseudomonas viridis 6392. Nicotiana benthamiana, ultrastructure, transmission, cassava latent virus mosaic disease, Manihot esculenta 1315. reaction betters, cytochrome Cz, purmication, rhnoopseudomonas vindis 6392.
Thymidline,
analogs, antiviral activity, herpes simplex virus 1, herpes simplex virus 2 5214.
herpes simplex virus infected fibroblasts, effects on 7942.
Thymidline kinase,
activity, herpes simplex virus infected cells, 9-{2-hydroxyethoxymethyl)guanine
antiviral activity, 303.
activity, herpes simplex virus typing methodology, association drug sensitivity
testing 1741.
DNA polymerase, mutation, 9-{2-hydroxyethoxymethyl)guanine drug resistance,
herpes simplex virus 1874.
herpes simplex virus 1874. Thymidine, olisease, Marinot esculenta 1315.

Nicotiana tabacum, tobacco necrosis virus infection, peroxidase, laccase, ribonuclease, induction 318.

Phaseolus vulgaris, Pseudomonas syringae infection, syringacin W-1 biosynthesis, activity 2114. activity 2114. plant disease spread, mathematical models 1117. Vicia faba, plant viruses hybridization analysis methodology 9865. Tithoria speciosa, sour cherry necrotic ring spot virus infection 2144. Titration. anthracycline antibiotics preparation methodology 6231. use, coliforms isolation methodology, soil 8144. Tobacco, contamination, fungi, bacteria 438. leaves, post-harvest decay, thermophilic fungi, association storage 8599. Tobacco etch virus, infection, Nicotiana tabacum disease resistance, screening 1382. Tobacco mosale virus, artimicrobial activity, 3-methylfurfurylidene-2-thioxo-4-thiazolidones 7960. antiviral activity, nucleotides, biosynthesis simulation, antiviral agents, o-interferon, Nicotiana glutinosa, Nicotiana tabacum 7746. antiviral activity, Phytolacca americana glycoproteins 2491. bacuchiol, antiviral activity, effects on infectivity 1386. coat protein, association, disease resistance, Nicotiana tabacum, role, N' gene

Thyronectria austro-americana, canker, Gleditsia triacanthos, pathogenesis 1460.

decomposition, leaf litter, Abies alba 2301.

Thysanophora,

Thymine,

biodegradation, soil 5890. Thyronectria,

infection, trees, wind barriers, distribution 4175.

```
Tobramycin, (continued)
ampicilini, Protus, Pseudomonas aeruginosa 7967.
antibacterial activity, bacteria clinical isolates, media analysis 7074.
antibacterial activity, comparison, dibekacin 2584.
antibacterial activity, Pseudomonas 7975.
antibacterial activity, Salmonella strains 8815.
antibacterial activity, Salmonella strains 8815.
antibacterial activity, Serratia marcescens 4384.
antibiotic sensitivity testing methodology comparison, gram-negative bacilii 6009.
          Tobacco mosaic virus, (continued)
                              6848
                    disease control, fungicides, seed treatments, Crotalaria juncea 1436.
disease resistance, callus deposition, role boron, Nicotiana tabacum, Phaseolus
                  vulgars 1377.
disease resistance, Capsicum annuum 3109, disease resistance, hypersensitive response, Nicotiana tabacum 3110, disease resistance, iphar trance, plant breeding, Nicotiana tabacum 3115, disease resistance, proteins, Phaseolus vulgaris 8608, disease resistance, role peroxidase. Nicotiana tabacum 2162, disease resistance stimulation, models, Nicotiana tabacum 8617, elimnation, temperature effects on, Nicotiana tabacum 457, host range, Gesneriaceae 9421, host range, Gesneriaceae 9421, host range, plants, association defoliation 4024, host-pathogen interactions 2094.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     antibiotic sensitivity testing, Pseudomonas aeruginosa 1600.
antibiotic sensitivity testing, Pseudomonas aeruginosa, methodology comparison
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 9761
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     antibiotic synergism, azlocillin, Pseudomonas aeruginosa 8849.
antibiotic synergism, ceftizoxime, antibacterial activity, Pseudomonas aeruginosa
                    nost-pamogen interactions, disease resistance, Nicotiana tabacum 2170, 
hybersensitive response, U.V. radiation effects on, Phaseolus vulgaris 3111, 
hybersensitive response, disease resistance, Nicotiana tabacum 1374, 
hybersensitive response, lignin biosynthesis, Nicotiana tabacum 4080, 
hypersensitive response, phospholipids, fatty acid composition, Nicotiana tabacum 7741,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2634.

bactericidal activity, pharmacokinetics, in vitro 4386.
bosynthesis, Streptomyces tenebrarius, elements effects on 2585.
-cethraxone, antibiotic synergism, Pseudomonas aeruginosa 7986, comparson N-forminidoyl thienamycin, antibiacterial activity, bacteria clinical isolates 7076.
disc-diffusion test, streptococcus group D 2509.
-N-forminidoyl thienamycin, antibiotic synergism, antibiacterial activity, Streptococcus faecialis, Streptomoceas aeruginosa, Enterobacteriaceae 640.
Streptomoces cremeus, biosynthesis, media optimization 6227.
                  7741
hypersensitive response, proteins, Nicotiana tabacum 3031.
infected protoplasts, identification, autoradiography 8094.
infection, Capsicum disease resistance 1335.
infection, Copsicum disease resistance 1335.
infection, economic importance, yield, relationship, disease resistance,
Nicotiana tabacum 3936.
infection, energetics, heat balance, leaves, Nicotiana tabacum 1288.
infection, empripasm, seeds, embryos, Lycopersicon esculentum 2184.
infection, Gomphrena globosa, leaves hypersensitive response 2156.
infection, Lycopersicon esculentum, association, fruts ripening defects, disease resistance 4094.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Enterobacteriaceae 640. Streptomyces cremeus, biosynthesis, media optimization 6227. Streptomyces tenebrarius, biosynthesis, inoculum effects on 6232. ± ticarcillin, calcium, magnesium, zinc, effects on, antibacterial activity, Pseudomonas aeruginosa 754. +vancomycin, antibiotic synergism, antibacterial activity, Staphylococcus aureus 771.
                  resistance 4094.

infection, Lycopersicon esculentum, Jordan 6793.
infection, Lycopersicon esculentum, relationship, electrophoresis, acids solubility proteins 2983.
infection, Nicotiana glutinosa, antiviral agents induction 5818.
infection, Nicotiana tabacum leaves protopiasts 3041.
infection, Nicotiana tabacum leaves, uffastructure localization 4033.
infection, Nicotiana tabacum, Phaseolus vulgaris, antiviral activity, EDTA
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Togavirus,
antibodies, detection, enzyme-linked immunosorbent assay, methodology 1746.
hemagglutination, proteins stabilization 3545.
Tolnaftate,
                                                                                                                                                                                                                                                                                                                                                                                                                                                           antifungai activity, dermatophyte fungi 9682.
o-Toluanilide,
biodegradation, Nocardia 4763.
                              treatment 511
                  infection, Nicotiana tabacum, protoplasts, actinomycin D, effects on 7701. 
infection, Solanum melongena, magnesium effects on susceptibility 3033. 
infection, yeasts extracts inhibition, Nicotiana glutinosa, Nicotiana sanderae
                                                                                                                                                                                                                                                                                                                                                                                                                                                        biodegradation, aerobic conditions 8436.

Toluldine red unheated serum test, immunodiagnosis, syphilis 9913.

Tolypocladium Inflatum, cyclosporin A biosynthesis, characterization 132. elwapeptin, purification, inhibition mitochondria adenosinetriphosphatase 5.

Tolyposporium peniciliariae, smut disease resistance, Pennisetum americanum, field trials screening 9455. smut, pollination, Pennisetum americanum, effects on, pathogenesis 6777.

Tolypothrix tennis, introgen fixation, or pathogenesis 6777.

Tomatidline, Gymnoascus reesii, biodegradation 3773.
                              6887
                6887.
infection, yield, Lycopersicon esculentum 2167.
infection, 2,4-dioxohexahydro-1,3,5-triazine+guanidine antiviral activity,
infection, at babcum 6886.
infecton, effects on, Nicotiana tabacum, yield, USA, North Carolina 9396.
infoculation, polyvanions, polyvations effects on, Nicotiana tabacum 4989.
multiplication inhibition, poly(2-methyl-5-viry)pyridine N-oxide) role, Nicotiana
aestivum protoplastis 8582.
                  aestivum protopiasts 8582.

multiplication, inhibition ribonuclease leaves, plants 2095.

Nicotiana tabacum hypersensitive response, 2-chlorethylphosphonic acid, salicyclic acid, effects on 4095.

Nicotiana tabacum, infected, methodology, isolation, double-stranded RNA 3897.

Nicotiana tabacum, protoplasts, secretions, inhibition, replication 3114.

pentoses, inactivation 701.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gymnoascus reesii, biodegradation 3773.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   omatrie.
resistance, Fusarium solani, heritability, pathogenicity, lycopersicon esculentum fruits, association, sterol composition 704; resistance Fusarium solaini, infection, pathogenicity, Pisum sativum, Lycopersicon
                    plants infection 9437.
                    radioactive labelling, enzyme-linked immunosorbent assay, radioactivity measuring techniques 8098.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         resistance Fusarium solani, infection, patnogenicity, Plisum sativ 
esculentum fruits 6741.

Tomato aspermy virus, 
infection, Chrysanthemum, epidemiology 8580.

Tomato bunchy top virus, 
bunchy top, Lycopersicon esculentum, new records, India 3042.

Tomato bushy stunt virus, polybora 4024.
                  recritiques obes, replication, pathogenesis, Nicotiana tabacum 4038, replication, ribonuclease inhibition, Nicotiana tabacum 6885, replication, ribonuclease inhibition, Nicotiana tabacum 6885, resistance, relationship, proteins, hybrids, Nicotiana glutinosa× Nicotiana debneyi 1334.
RNA degradation, ozone 1592.
     RNA degradation, ozone 1592. 
strains competition, Nicotiana sylvestris infection 9449. 
2-thiouracij, effects on, RNA biosynthesis, protein biosynthesis 5220. 
transmission, Vigna unguiculata, role, Coleoptera regurgitation factors 6733. 
Tobacco necrosis virus, 
disease resistance induction, Cucumis sativus, Fusarium oxysporum 
1.sp.cucumerinum wilt 465. 
hypersensitive response, proteins, Cucumis sativus 3113. 
infected, Phaseolus vulgaris, hypocotyls, light, effect on 2992. 
infection, Chenopodium amaranticolor, antiviral agents isolation, 
characterization 5852.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Tomato bushy stunt virus, cytopathology, Gomphrena globosa 4034 disease resistance, leaves, Gomphrena globosa 1378. disease resistance, leaves, Gomphrena globosa 1378. disease transmission, Lycopersicon esculentum, vectors, man 1308. infecton. Gomphrena globosa, leaves hypersensitive response 2156. like viruses identification, Solanum meiongena isolates 8588. Tomato bushy virus, comparison, tombusvirus isolation, Prunus, identification 390. Tomato Ineaf curl virus, infection, Lycopersicon esculentum, factors affecting disease control 8614. Tomato mosaic virus, benzimidazole derivatives, antiviral activity 7951. host-pathogen interactions 2094. infection, Lycopersicon esculentum, interaction, Fusarium oxysporum 1,5 plycopersici 9397.
                Infection, Cherologouilla amaraniaconi, anaviral algenta isolation, characterization 8583, infection, effects on protein composition, leaves, Cucumis sativus, Vigna sinensis 9460, infection, Nicotiana tabacum tissues, peroxidase, laccase, ribonuclease,
                  induction 318. infection, Vigna sinensis, Cucumis sativus, osmotic stress effects on enzymes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Intertain, Evoporation Securitarian, intertactor, incaration oxyaporation (sp.) roporation (sp.) representation, Pentas lanceolata, new records, Australia 9450. infection, Pentas lanceolata, new records, Australia 9450. infectivity, Perbicides effects on, Datura metel 7702. persistance, soil, crop residues, infection, Lycopersicon esculentum 1233.
infection, Vigna unguiculata susceptibility 2986.
isolation, British Isles rivers, infection, Chenopodium 4020.

Tobacco rattle virus,
corky ringspot, Solanum tuberosum, disease control 3112,
detection, enzyme-linked immunosorbent assay, hybridization analysis, Narcissus,
tubers, Solanum tuberosum 6808.
distribution, association, infection, weeds 1244.
infection, Nicotiana tabacum, protoplasts, actinomycin D, effects on 7701.

Tobacco ringspot virus,
epidemiology, Vaccinium corymbosum 2161.
host plants, Arctium lappa 6823.
infection, Nicotiana tabacum, protoplasts, actinomycin D, effects on 7701.
necrosis, Malus pumila 6783.
transmission (seed), Solanum tuberosum, symptoms 406.

Vigna unguiculata, role, Coleoptera regurgitation factors 6733.

Tobacco streak virus,
infection, Hellanthus annuus, pathology, host range 9430.
isolation, Solanum tuberosum, characterization, host range 1290.
isolation, Solanum tuberosum, characterization, host range 1290.
isolation, Solanum tuberosum, characterization, host range 1290.
isolation, Colanum specificity, pathogenesis, disease transmission 1126.
infection, Capsicium, serotyping 4032.
Totramycin,
anthacterial activity, antibiotic syneroism, cefotaxime, carbenicillin,
                                                                                                                                                                                                                                                                                                                                                                                                                                                    persistance, soil, crop residues, infection, Lycopersicon esculentum 1233.

Tomato ringspot virus,
disease reservoirs, prunus 1209.
disease reservoirs, prunus 1209.
disease transmission, Xiphinema rivesi, Xiphinema americanum, orchards 2142.
epidemiology, Vaccinium corymbosum 2161.
miecton, Vitis vanifera, disease resistance 5054.
necrosis, decline, Malus domestica, Xiphinema vectors 4978.
Xiphinema americanum, transmission, Taraxacum officinale 8595.

Tomato spotted wilt virus,
detection, Hydrangea macrophylla, association weeds 5016.
host range, plants, New Zealand 6731.
infection, Chrysanthemum, epidemiology 8580.

Tomato yellow leaf curl virus,
disease spread, cultivation techniques, Lycopersicon esculentum 1236.
infection, Lycopersicon esculentum, Jordan 6793.
Tomato yellow top virus,
infection, Lycopersicon esculentum, dordan 6793.
Tomato yellow top virus,
infection, Lycopersicon esculentum, new records, New Zealand 9435.
Tomatoses.
```

Tomatoes, juices, canning, sterilization, baths 262.

juices, certning, sternization, utarits zoz. juices, pectin protection, heat resistance, Lactobacillus fermentum 6660. lactic acid fermentation, Lactobacillus plantarum 4833. post-harvest decay, Pseudomonas marginalis soft rot, storage conditions 9453. Rhizopus nigricans post-harvest decay, γ radiation+heat treatments+chemicals

Tobramycin, antibacterial activity, antibiotic synergism, cefotaxime, carbenicillin,

Toxicity testing, (continued)
detergents, Pseudomonas fluorescens 2874,
endotoxns, Limitulis lyaste test, legislation 6712,
mycotoxns, Fusarium 2315,
single-cell protein, Basidiomycetes, animal models 9113,
water, bioassays, lumnous bacteria 3572,
water pollution, bacteria 6241. Tomatoes, (continued) control 2237 control 223/ Tomaymyclin, synthosis, antibacterial activity 6191. Tombusvirus, isolation, Prunus, identification, companison, petunia asteroid mosaic virus, tomato bushy virus 390. Water politicity, Toxigenicity, Bacillus cereus, Staphylococcus, contamination, infants food 8464. Clostridium botulinum, growth, nitrite inhibition, organoleptic properties, Tongue, beef, bacteria growth, packaging, cold storage 267. Tongue, beef, bacteria growth, packaging, cold storage 267.

Toothbrushes, design, dental plaque removal 4463.

Toothbrushing, dental plaque, man, comparison sodium chlonde + hydrogen peroxide 8075. dental plaque, man, comparison sodium chlonde + hydrogen peroxide 8075. dental fine track performance, dental hygiene 7209.

man, motor task performance, dental hygiene 7209. Sausages Sollilii, cytotoxins, media (culture) 6719.
Clostridium sordellii, cytotoxins, media (culture) 6719.
enterotoxins, Staphylococcus aureus 7631.
enterotoxins, Staphylococcus aureus solates, milk 6716.
loxicity, Clostridium botulinum, growth, effects on, seatood 309 Top rot, Zea mays, Brazil, Erwinia chrysanthemi pv.zeae 2141. biosynthesis, cochliobolus heterostrophus 2072. production, Cochliobolus heterostrophus races 288. Zea mays, Brazil, Erwinia cinrysantnerii pr. Zeee Z 14 1. Topical application, fluoride, dental canes prophylaxis, teeth, man 8996. Topical applications, fluoride, man, dental hygiene equipment 5354. Topography, ph. Erdomyces magnusii, fluorescent probes methodology 8189. production T-2 Toxin, binding dehydrogenase active sites, Saccharomyces cerevisiae 7625. biosyrithesis, metabolism, pathway, Curtobacterium 8520. biosyrithesis, radioactive labelling, Fusarium tricinctum 6705. contamination, feeds 3868. contamination, terois 3686.
enzyme-linked immunosorbent assay, Fusarium tricinctum 4891.
Fusarium, effects on growth, Saccharomyces cerevisiae, Saccharomyces carisbergensis 3876.
metabolites, structure, cattle 3884. pH, Endomyces magnusii, fluorescent probes methodolog Tortricidae, baculovirus, biological control 997. biological control, baculovirus 998. biological control, baculovirus 998. biological control, persistence, baculovirus 1005. Cydia pomonella, granulosis virus biological control 8356. Torula, feeding trials, chickens 3856. Torula cremorta, ethanol production, factors affecting 1046. Torulosis. α-Toxin Staphylococcus aureus, amino acid composition 2076. staphylococcus aureus, production, association, growth 6709. Clostridium difficile, enzyme-linked immunosorbent assay 9303. Ananita phalloides, mushroom poisoning treatment, man 5612.
Aschersona aleyrodis, production, relationship culture 7627.
Aschersona aleyrodis, production, relationship culture 7627.
Ascochyta pis, role pathogenisty, necrosis, Pisum sativum 1140.
Bacillus cereus, production, goats meat, frozen foods 5606.
Bacillus thuringiensis, pathogenesis, Bombyx mori larvae midgut cells 3738.
Bacillus thuringiensis, use biological control, Inspecta 5564.
Beauveria, toxicity, biological control, Epithx 1106.
biosynthesis, Clostridium botulinum, carbon diloxide effects on 5658.
biosynthesis, factors affecting, Bacillus thuringiensis var.israelensis, association, Cullcidae larvae lethality 306.
biosynthesis, Salmonella, cultural characteristics effects on 8519.
Bordetella pertussis, binding haptoglobulin, enzyme-linked immunosorbent assay 6720. Torulopais, ethanol production, factors affecting 1046.

Torulopais, Service of the service of t 67/20.
Bordetella pertussis, reviews 7630.
cholera, biosynthesis. Vibrio mimicus, Vibrio cholerae 9314.
clitidine, structure, Clitocybe acromelalga 4907.
Clostridium botulinum, characterization 7636 Clostridium botulinum, characterization / 636. Clostridium botulinum, characterization, food contamination, preservatives 7637. Clostridium botulinum, enzyme-linked immunosorbent assay 9293. Clostridium botulinum, production, growth, cheese 2074. Clostridium botulinum, production, relationship gas production 2960. Clostridium botulinum, purification, characterization 2077. Clostridium difficile, Clostridium botulinum, identification, lethality, mice 2010. Toxic ahock syndrome, Staphylococcus aureus isolates, endotoxins, exotoxins, characterization 6706.

Toxicants, 2080.

Clostridium difficile, counter immunoelectrophoresis detection, feces 4912.

Clostridium perfingens, food contamination, conferences 5453.

Clostridium perfingens, food poisoning, man, USA 2958.

Clostridium tetani, amino acid composition, comparison light chains, heavy chains Toxicants, organic compounds, soil microorganisms decomposition, land disposal, reviews 5977. reviews, soil microorganisms decomposition, land disposal, reviews 5977. Toxicity, affatoxin B1, detoxification, ammonium hydroxide, sodium hypochlorite, sodium hydroxide 278. affatoxin B1, mycotoxins pretreatment effects on, Drosophila melanogaster 7617. affatoxins, cattle, reviews 283, affatoxins, mechanisms, plants, reviews 5647. Bacillus thuringiensis 5-endotoxin, stability, use biological control, iarvae, Culicidae 294. Bacillus thuringiensis subsp.israelensis spores, biological control, Aedes aegypti 4713. Bacillus thuringiensis subsp.israelensis spores, biological control, Aedes aegypti 4713. Bacillus thuringiensis subsp.israelensis spores, biological control, Aedes aegypti 4713. Bacillus thuringiensis subsp.israelensis spores, biological control, Aedes aegypti 4713. Bacillus flumingiensis subsp.israelensis proces, biological control, Aedes aegypti 4713. Bacillus flumingiensis subsp.israelensis processis aegypti 4713. Bacillus flumingiensis, control, Aedes aegypti 4713. Bacillus flumingiensis, Culex quinquefascis, phaegas conjugation 3615. Bacillus flumingiensis, Culex quinquefascistus, Aedes aegyptiator 3615. Bacillus flumingiensis, Culex quinquefascistus, Aedes aegyptica orondes abinamus, Anopheles quadrimaculatus 8380. melthyl bromite - chloropicin, selerotta, Senherotta cultivism, Salmonella yphimurum, correlation, animals 1065. mickel, Achyla, Saporlegnia, Cunninghamella blakesleeana, Aspergillus clavatus, Aspergillus flavus 1565. pencycuron, animal models, Mammaiia 3155. pest control, Bacillus thuringiensis, Culicidae 297. pest control, Bacillus thuringiensis, Culicidae 298. poridesmolidae, rol organic compounds, soil microorganisms decomposition, land disposal, reviews 5977. Clostridium tetani, amino acid composition, comparison light chains, heavy cha 4906.
Clostridium tetani, crystals characterization 3890.
Clostridium tetani, structure, reviews 2078.
Corynebacterium diphtheriae, purification, gel chromatography 8514.
Corynebacterium diphtheriae, structure, toxicity, reviews 6724.
Escherichia coli, purification, characterization 2952.
estraction, spores, Bacilius sphaericus 5662.
feeds contamination, microorganisms, quality control 4862.
fungl, production, detection methodology 4542.
gene transfer, Escherichia coli, phages conjugation, toxicity, laboratory animals, domestic animals 9315.
Helimithosporium aerbonum cyclic peptides, conformation, N.M.R. 7618.
Helimithosporium sacchari, heliminthosporoside, structure 8508.
Helimithosporium sacchari, heliminthosporoside, structure 8508.
Helimithosporium sacchari, structure 7629.
histopathology, midgut, Bacilius sphaencus, Culicidae 1022.
lethal dose determination, animal models 9841.
parabens, effects on, clostridium bottulinum, production 2089.
pertussis, biosynthesis, Bordetella pertussis,
heptakis(2,6-C-dimethyl)8-cyclodextriu effects on 8523.
production, Clostridium bottulinum, food contamination, cheese products 2943.
production, Escherichia coli, isolates, man, catife 1112.
production, clasmide, nepetic control. Bacilius enterice 2086. 4906 production, plasmids, genetic control, Bacillus anthracis 2085, purification, characterization, Escherichia coli, comparison Shigella dysenteriae 4909.

Ricinus communis, interferon conjugation, antiviral activity 3348.

Saccharomyces cerevisiae, purification, characterization 1097.

Staphylococcus aureus, purification methodology, separation techniques 4917.

subunit structure, Bordetella pertussis 302.

tetanus, blood donors, antibodies, screening, latex agglutination 3621.

Vibrio cholerae, agglutination measuring techniques 9302.

Vibrio cholerae, agglutination measuring techniques 9302. Violo Gioletae, radiominimosassay 9294.

Toxolda,

Naja naja siamensis, antiviral activity, herpes simplex virus 1 7102.

preparation, photoaffinity labelling use, Pseudomonas aeruginosa exotoxin A 8050.

TPHA test, detection, Treponema pallidum, blood donors, man 5394. diagnosis, syphilis 2665. Sponjoestimines, role superoxine radicals formation, in vitro 2/4. Stachybotys atra, sheep, mycotoxins isolation, bedding straw 4897. Toxicfly testing, aluminum, manganese, Aspergillus flavus spores use 9076. Chaetomium cellulolyticum, single-cell protein, laboratory animals, chickens, sheep 9116. Trace elements, coo.

Chace elements, cheese whey, effects on Candida intermedia 3817. effects on Streptomyces tenebrarius tobramycin biosynthesis 2585. enrichment, bacteria role, manganese oxidation 9816.

Trace elementa, (continued) milk, activity relationship, propionic acid bacteria, lactic acid bacteria 8477. Tracers,

radioactive labelling, screening, antibiotics biosynthesis, Actinomycetes, soil microorganisms, micromethods 9882.

Trachea, washings, chickens, detection, Mycoplasma gallisepticum inhibitors 6302 Trachypogon, grasslands, nitrogen cycle 2372. Trametes corrugata, post-harvest decay, Hevea brasiliensis cellulose, lignins, Malaysia 7791.

human impact, soil microorganisms, population levels, forests 4133.

Numan impact, soil microorganisms, population levels, litresis +155.

Transcriptio, oil, rifampicin effects on 1627.

Escherichia coli, rifampicin effects on 1627.

riftogenase genes, Rhizobium mellioti, nodulation, Medicago sativa 3228.

RNA, polyoma virus infected cells, actinomycin D resistance 3306.

Transduction,

methodology, Escherichia coli adenylate cyclase deletion mutant 5401.

Transferrin, antibacterial activity, relationship microflora immune response, Mammalia,

reviews 5176.
fungistasis, Rhizopus oryzae, Trichophyton mentagrophytes 8792 interaction, nitrite, inhibition, Bacillus cereus, sporulation 3329.

Transformation,

arthracyclinones, Streptomyces coeruleorubidus, Streptomyces galiiaeus 782. chickens embryo cells, Rous sarcoma virus, antiviral activity, 2-nitronaphthofuran derivatives 3362.

2-nitronaphthofuran derivatives 3362.
daunomycin, antibiotic synergism, antibacterial activity, Streptomyces erythrchromogenes sp.nov, 675.
Escherichia coli, plasmids, antibiotic resistance, association, cadmium sensitivity 1536.
nitroaromatic compounds, sewage, microorganisms 5288.
1-nitropyrene, anaerobic bacteria, intestinal microflora, man 2024.
Saccharomyces diastaticus, protopiasts fusion, exo-1.4, -o-D-glucosidase production 7323.
steroids, immobilized cells, bactena, fungi, reviews 3706.
streptomycin resistance markers, factors affecting, Acinetobacter calcoaceticus 7895.

SV40, use, Xeroderma pigmentosum cell lines methodology 9868. triparanol, metabolites, Lagenidium 1965.

Transformed cells,
Moloney sarcoma virus, fibrobiasts, growth, interferon inhibition 3369.
SV40, mRNA isolation, membrane filtration 829.
Transferolase,

Transiverolase, active sites arginine residues, 2,3-butanedione chemical modification, effects on kinetics, Saccharomyces cerevisiae 7355.
2,3-butanedione chemical modification, effects on kinetics, Saccharomyces cerevisiae, purification, characterization 6425.
 Saccharomyces cerevisiae, purification, characterization 6425.
 substrate specificity 7353.
 X-ray crystallography, Saccharomyces cerevisiae 6551.

Translocation,

Transfocation, carbon, brown rust 6769.
Hordeum vulgare, powdery mildew, Erysiphe graminis f.sp.hordei 3935.
Frational community for the foliation vulgare 3939.
Frational community for foliation vulgare 3939.
Frational foliation vulgare for foliation vulgare folia

prevention 1147
Transmission (horizontal),
pumpkin mosaic virus infection, Cucurbita maxima, Aphis craccivora vectors 1231.
Transmission (mechanical),
dasheen mosaic virus, Richardia africana, Araceae 9420.
jotato yellow dwarf virus, density vanability, Nicotiana nustica 6805.
tulip breaking virus, Lilium longiflorum, Chenopodium 7707.
Transmission (ased),
Andean potato latent virus, potato virus T, arracacha virus B, tobacco ringspot
virus, Solanum tuberosum, symptoms 406.
beet mild yellowing virus, Beta vulgaris 8586.
cowpae chlorotic mottle virus infection, Vigna unquiculata, disease resistance
322.
cowpae mosaic virus, screening association prevention, Vigna unquiculata 1124.

cowpea mosaic virus, screening association prevention, Vigna unguiculata 1124. Fusarium oxysporum, damping-off, Pseudotsuga menziesii 4149. role, Macrophomina phaseolina infection, Cucumis melo 3979.

Transport, swarps, anaerobic bacteria recovery 6333. systems, sanaerobic bacteria survival, lemperature association 6334.

system, swabs, anaerobic bacteria survival, temperature association 6334.

Transposon Tn.2401 identification, Pseudomonas aeruginosa, association aminoglycoside antibiotics resistance 7050.

transposon Tn.2424 mediation, amikacin resistance, Pseudomonas aeruginosa, Escherichia coli 7899.

transposon 5, Rhizobium meliloti, mutants, Medicago sativa, nodules, ultrastructure 7848.

Transachelle discolor, rust, host range, sporulation, Prunus domestica subsp.insitiria 3967.

Traveller's cliarrhee, vaccines development, man 8048.

Trees,
Armillaria mellea pathogenicity, role tannic acid stimulation rhizomorphs formation 1455.

cultivation, mycorrhizas, role reviews 7780. ectomycorrhizas, nutrient transport, absorption, carbon sources, nitrogen sources 9505.

exudates, yeasts isolation, identification, host specificity, population dynamics

creats, Cylindrocladium scoparium diseases, Malaysia 2316. mycoplasma-like organisms infection, antibiotics treatment 5859. ornamental plants, plant diseases, fungi, fungicides 9480.

Trees, (continued) roots, stems, isolation, Cylindrocladium, Fusarium, media (selective) 6352, seed-borne fungs, fungicides, antifungal activity 2319, seedlings, mycorrhizas inoculation 5857 seedlings, root rolt, Phytophthora cinnamomi 1463, seedlings, vesticular arbuscular mycorrhizas, phosphate uptake 9503, stiviculture, disease control, Phytophthora root rot 2317, succession, association intrincation, forests 4140, symbiosis, mycorrhizas, screening 3162, Tanzania forests, mycorrhizas symbiosis 2296, wind barners, fungi infection, distribution 4175, o_{co}-1 Trefalos-2,34,2" ethicresiers, production, Rhodicoccus erythropolis 4709.

Trematosphereria circhians, root rot, medical production, dischagal production, and control forests and c

Tremella mesenterica, sex hormones, tremerogen A-10, tremerogen a-13, purification, amino acid sequence

Tremerogen A-10,

Tremelia mesenterica, sex hormones, purification, amino acid sequence 915.
Tremengen a-13,
Tremelia mesenterica, sex hormones, purification, amino acid sequence 915.
Treponema,

Treponema, intestinal microflora, salinomycin administration effects on, pigs 5624. Treponema hyodysenteriae, drug sensitivity testing, dimetridazole 8768. hemolysins biosynthesis 2090.

hemotysins biosynthesis 2090.

Treponema pallidum,
syphilis, diagnosis, TPHA test, hemagglutination 2665.
syphilis, litorescent antibody test, diagnosis, man 863.
syphilis, immunodiagnosis, fluorescent antibody test 9918.
syphilis, immunodiagnosis, rapid plasma reagin test 9917.
syphilis, immunodiagnosis, rapid plasma reagin test, toluidine red unheated serum test 9913.

Test 3913.
TPHA test detection, blood donors, man 5394.
Treponema phagedents,
β-D-qualcotsidase, purification, characterization 7410.
Triacylglycerides,
hydrolysis, triacylglycerol lipase, immobilized enzymes, Candida cylindracea
5501. Triacylglycerol Ilpase, biosynthesis, Penicillium funiculosum, growth conditions 4656

biosynthesis, Periculiant Indicatorin, grown containing adea by Candidas Special Candidas (Candidas Special Candidas Can

production, carbon sources, nitrogen sources, Geotrichum candidum 7320. Pseudomonas aeruginosa, polysaccharides effects on biosynthesis is 1945. Pseudomonas fluorescens extracellular enzymes, purification, characterization

o 941... purfication, characterization, staphylococcus aureus 1876. Saccharmycopsis iploplytica, purification, characterization 6463. Triacylglycerols, biodegradation, microorganisms 2881. Triademento.

Triademenol, diastereoisomers, antifungal activity 693.

Triadimefon, antifungal activity, tolerance, Ampelomyces quisqualis 1401. detoxification. Ampelomyces quisqualis 6883. disease control, leafspot, Mycosphaerella musicola, Musa 4127. disease control, powdery mildew, Hordeum vulgare 9489. disease control, rust, Cronartium quercuum f.sp.fuisforme, Pinus elliottii

disease control, rust, Cronartium quercuum f.sp.fusiforme, Pinus elliottii var.elliottii 9516. disease control, Triticum aestivum powdery mildew 1422. disease control, Triticum aestivum powdery mildew autirungal activity 1393. powdery mildew control, Rosa 5044. treatment, Eryspihe graminis powdery mildew, Triticum, drug resistance 2126. treatment, pythum infection, Grammeae 4114. treatment timing, Rhynchosporium secalis leaf blotch, Hordeum, disease control treatment timing, Rhynchosporium secalis leaf blotch, Hordeum, disease control

use, ornamental plants disease control 5056.

seed treatments, Gaeumannomyces graminis var.tritici, take-all, Triticum aestivum 5067.

Trialeurodes vaporariorum, disease transmission, beet yellows virus infection, Cichorium endivia, Lactuca sativa, Cucums sativus 9431. pest control, biological control, Verticillium lecanii, Cucumis sativus 126. pest control, bio

1,4,3+1 riazcurios, antibacterial activity 4293.
1,2,4-Triazcio(3,4-c-f-1,2,4-dithlazoles, antifungal activity, Helminthosporium oryzae, Fusarium oxysporum 8788. Tribulus terrestris,

antitungal activity, Helminthosponium oryzae, Fusarium oxysporum 6788.

Tribulus terrestria,
association Hydrangae macrophylla, tomato spotted with virus detection 5016.

Tricarboxylic ecid cycle,
activity, Aspergillus terreus, relationship itaconic acid biosynthesis 9132.
carbohydrates metabolism pathways, bacteria enzymes 123.
metabolites, association, Rhizobium lupini amino acids biosynthesis 8199.
1,2,4-Trichlorobenzole,
a biodegradation, microorganisms, seasonal variations, water salinity effects on,
aquatic environment 2876.
2,3,6-Trichlorophenoxylpropionic acid,
effects on, Poa pratensis sugars, amino acids, Drechslera sorokiniana
pathogenesis 5718.
2,4,5-Trichlorophenoxylpropionic acid,
biodegradation, Pseudomonas cepacia 1059.
2,4,5-Trichlorophenyl sectitate,
biodegradation, Pseudomonas cepacia, soil contamination 4750.
Trichoconiella padwickil,
inflection, Oryza sativa, detection methodology 4963.
Trichodorma,
biodegradation, carbohydrates, straw 8442.

Trichoderma, (continued)
cellulase activity, crop residues, ethanol production 4727.
cellulase activity, ethanol production 1047.
cellulase, kinetics 4586.
cellulolytic enzymes production 7418
cellulose biodegradation, straw 7539.
colonization, Sorghum biocolor stalks, roots 5715.
cyclosporins biosynthesis 7992.
disease control, blight, Sclerotium rolfsii, Poa 1402.
fungal flora, Fagus grandflola bark 1438.
immobilized cells, B-glucosidase, hydrolysis, cellobiose, salicin 3791.
lignocellulose biodegradation, screening 3795.
redia (isolation), soil, methodology 2711.
soil microorganisms, growth, spore germination, ammonia, volatiles, effects on 2349. richoderma viride, (continued) oxygen transfer rates, effects on, cellulase production 3671. pectinolytic enzymes 5528. phosfolan biodegradation 5586. purification, α-D-glucan hydrolyase, β-D-glucan hydrolyase 6538. soil, herbicides effects on 8707. tolerance, antifungal activity, thiabendazole, thiophanate methyl, antifungal activity, thiabendazole, thiophanate methyl, antifungal activity. tolerance, antifungal activity, thapendazone, morphamate interrity and activity 3154.

Itrifluralin biodegradation 8446.
Ityrosine aminotransferase, purification, characterization 947.

Tricholomopsis platyphylla,
Armiliaria bulbosa, population dynamics, nutrient cycles, decomposition,
Basidomycetes, wood, Quercus robur 5861.
soil microorganisms, forests, population studies, spatial distribution 1445.
spatial distribution, forests 1437. soil microorganisms, grown, spore gentimeters, animonia, voluntee, indeed of 2349, submergence, water poliution effects on 8977, wood cellulose hydrolysis, ethanol production, Zymomonas mobilis, Saccharomyces cerevisiae 3750. Trichomonas vaginalis, metronidazole antibacterial activity, association, antagonism, acetic acid, lactic acid 7090. Trichoderma aureoviride, β-D-glucosidase secretion, fermenters 5511. Trichoderma hamatum, infection, Pseudotsuga menziesii roots, incidence 4162. Pseudomonas antagonism, Pisum sativum seeds, association, Pythium rot, biologica Trichophyton, infection, Pseudotsuga menziesii roots, incidence 4162.
Pseudomonas antagonism, Pisum sativum seeds, association, Pythium rot, b control 5820.

Trichoderms harzlanum, antagonism, Scierotium rotisii sclerotia, factors affecting, soil 9570. biodegradation, straw, role, soil, volcanic ash, stabilization 5091. biological control, damping-off, Rhizoctonia solani, in vitro 2854. bulbs treatment+soil solarization, integrated control, soil-borne diseases, Indacese 7768. cellulase, hydrolysis, cellulose, crop residues, heat+grinding 6650. leaf litter biodegradation 3771. lytic enzymes, use, control, Formes annosus 4156. parasitism, Rhizoctonia solani, detection, photography, methodology 8159. parasitism, Rhizoctonia solani, detection, photography, methodology 8159. post-harvest decay, storage, apples 8602.

Trichoderma koningli, biodegradation, cellulose 5594. cellulotyte enzymes production 7418. p-0-glucosidase, purification, characterization 20. Trichoderma longibrachiatum, characterization 20. Trichoderma longibrachiatum, cellulase, endo-1-3-B-D-vylanase, polygalacturonase, production, carbon sources effects on 3678.

Trichoderma pseudokoningli, p-0-glucosidase, evo-1-3-B-glucoanase, biosynthesis, carboymethyloellulose stimulation 7423.

Trichoderma pseudokoningli, p-0-glucosidase, evo-1-3-B-glucoanase, biosynthesis, carboymethyloellulose stimulation 7423.

Trichoderma pseudokoningli, p-0-glucosidase, evo-1-3-B-glucoanase, biosynthesis, carboymethyloellulose stimulation 7423.

Trichoderma pseudokoningli, p-0-glucosidase, evo-1-3-B-glucoanase, production, carbon sources effects on 3678.

Trichoderma pseudokoningli, p-0-glucosidase, evo-1-3-B-glucoanase, production, p-10-glucosidase, evo-1-3-B-glucoanase, polygopalacturonase, p-10-glucosidase, evo-1-3-B-glucoanase, p-10-glucosidase, p-10-g imidazoles, derivatives, antifungal activity 2480. 2-mercaptobenzenmethanthiol diesters antifungal activity 3340. 2-mercaptobenzemethanthol diesters antifungal activity 3349.

Trichophyton rubrum,
antifungal activity, paphthol,1,2-3)-thiazoles derivatives 7092.
antifungal activity, pentachloronifrobenzene metabolites 8789.
antifungal activity, substituted phenols, structure-activity relationships 3338.
antifungal activity, iboxaprofen, mitochondria, respiration uncouplers 8786.
diaryl sulfides, antifungal activity 2482.
phospholipids metabolism, antifungal activity, undecanoic acid 7931.
resistant mutant, undecanoic acid drug resistance, triacylglycerol lipase, keratnase, phosholipase A, levels 7877.

Tichoolusia. Trichopiusia,
biological control, baculovirus 998.
Trichopiusia ni,
biological control, nuclear polyhedrosis virus, Brassica cleracea, pest control
6596. to 98.
nuclear polyhedrosis virus infection, detection, enzyme-linked immunosorbent assay 2656.
Trichosporon,
ethanol production 7527.
Trichosporon capitatum, lignin biodegradation 1998.
Trichosporon cutaneum,
cheese whey conversion, single-cell protein production 9298. cheese whey conversion, single-cell protein production 9286. endo-1,4-β-D-xylanase, purification, characterization 1859. endo-1.4-3-U-xylanase, purtication, charact Trichosporon Fermentans, peat biodegradation 2877. Trichosporon penicillatum, endo-polygalacturonase characterization 91. Trichothecium roseum, biosynthesis 2575. Trichothecium Incontrecin, mycotoxins, densitometry 287.
Trichothecium roseum, canker, Rosa, disease control, fungicides 1410. rot, post-harvest decay, potatoes 1325, spore germination, fungicides effects on, in vitro 7764. trichothecene biosynthesis 2575. cellulase, production, batch culture, methodology, comparison 9068. cellulase production, media (culture) 6526. cellulase production, spore germination, indole-3-acetic acid, gibberellic acid, effects on 8320. Trichuris spiralis, xed culture, lignocellulose biodegradation 3772. effects on 820.ii phydrolysis 9256.
cellulase, wood plub pydrolysis 9256.
cellulase, wood plub pydrolysis 9256.
cellulase fermentation, 8-D-glucosidase, ethanol, effects on glucose biosynthesis 4705.
crop residues fermentation, gases environments, reviews 4723.
crop residues fermentation, gases environments, reviews 4723.
crop residues fermentation, gases environments, reviews 4723.
hydrolysis, cellulase, Helianthus annuus seeds coats, autohydrolysis-explosion pretreatment effects on 9136.
immobilization, use, radiation polymerization 7262.
paracelsin, isolation, characterization 8010.
polygalacturonase, biosynthesis, activity 8308.
protein biosynthesis, use, sugar beets industrial wastes, animals feeds 8493.
sphaeroplasts formation, use lytic enzymes 6346.
spore germination, cellulase production 8325.
rfchoderms virides, Trickling filters,
wastewater treatment, microorganisms 5295.
Trickling more microorganisms 5295. Tricyclazole,
blast, Oryza sativa, effects on Pyricularia oryzae pathogenesis 5827,
effects on Colletotrichum lagenarium hyphal tips, pigmentation, plants Tridecane, biodegradation, metabolic pathways, α,ω-tridecanedioic acid, Candida tropicalis 2002. strains companson, cellulase production 8325.

Trichoderme viride,
biological control, Dutch elm disease, Ulmus 6613.
cellulase, cellulose hydrolysis 8318.
cellulase, hydrolysis, Zea mays crop residues, pretreatment, heat+sodium
hydroxide 6448.
cellulase, kinetics, hydrolysis, cellulose 3789.
cellulase, kinetics, hydrolysis, cellulose inhitrosalicylic acid assays, sugars antiviral agents, cytomegalovirus (human) 3347. 5-Trifluorothymidine, antiviral activity, amantadine, antiviral activity 6063. Trifluralin. cellulase, role, silage, Medicago sativa, Lolium perenne, Trifolium pratense 2931.
cellulolytic enzymes biosynthesis, culture systems effects on 1925.
cellulolytic enzymes, glucose production, cotton wastes 6653.
chemotropism, association, wood volatiles 3765.
enzymatic activity, cellulase wastes conversion, bioreactors 9172.
exo-1,4--0-plucosidase, hydrolysis, starch 6499.
fensulfothion biodegradation 7538.
infection, Pseudotisuga menziesii roots, incidence 4162.
mixed culture, lignocellulose, biodegradation Paecilomyces fusisporus 3772. infuralin, biodegradation, fungi 8446. Fusarium oxysporum, roots exudates, effects on rhizosphere microorganisms, population density 8706. specificity, cell cycle, Schizosaccharomyces pombe 690. Trifolium, bacteroids viability, Rhizobium 7860, crop fields, agricultural practices, denitrification, crop fields, mineralization

Trichoderma viride, (continued)

Trifolium, (continued)

8680

8680
dentrification, nitrification, mineralization, crop fields, Trifolium 8680, plant debris, decomposition, leaching, soil microorganisms 566. Pluzobium trifolii inoculation, association soil improvement, British Isles 6953, root rot fungi infection, effects on yield 2104. root rot, susceptibility, Phytophthora erythroseptica, Phytophthora megasperma, mixed infection, bean yellow mosaic virus 335. survival improvements, Rhizobium trifolii inoculation 5953. survival improvements, Rhizobium trifolii inoculation 5958. white clover mosaic virus strains infection 2995. rifolium alphum.

Trifolium alpinum, roots colonization, Rhizobium trifolii, fluorescent antibody test 6991.

Trifolium finantium, genotypes, Rhizobium trifolii strains nodulation, relationship nitrogen fixation 7847. (347).

Rhizobium trifolii experimental infection, nitrogen fixation, lines 430.

Rhizobium trifolii nitrogen fixation, heritability 7829.

Sclerotinia trifoliorum, infection, apothecia, development 2106.

Sclerotina trifoliorum, infection, apothecia, development 2106.

Trifollum pratense, disease reservoirs, tomato ringspot virus, prunus 1209, disease reservoirs, tomato ringspot virus, prunus 1209, disease resistance, white clover mosaic virus 331. endomycomhizas, vesicles uttrastructure 6974. nitrogen fixation, pasture 6981.

Toot rof, Fusarium 5681.

Sclerotinia trifoliorum root rof, disease resistance 2251. sitage, Trichoderma viride, cellulase, role 2931.

Trifolium repens, affalfal mosaic virus, plant diseases, pathology 2996. bacteria infection, effects on, nodulation, yield 2226. disease resistance, white clover mosaic virus 331. +endomycorrhizas, effects on yield 2330. Gigaspora margariat, symbiosis, potassium permanganate effects on 8671. growth, inhibition, infection, dover yellow vein virus± Trifolium repens 2100. hydrogen, gas production. Rhizobium trifolii, nodulation 3245.

2100. hydrogen, gas production, Rhizobium trifolii, nodulation 3245. inoculation, Glomus mosseae, Glomus etunicatus 2348. leafspot, Pseudomonas androgogons, pathology 3320. mycorrhizas association, Brassica effects on growth 585. mycorrhizas, roots colonization, seasonal variations 554. nitrogen fixation, acetylene reduction, diumal vanations 609. nitrogen fixation, acetylene reduction, diumal vanations 609. nitrogen fixation, acetylene reduction, diumal vanations 609. nitrogen fixation, nitrogen-fixation, nitrogen-fixation, nitrogen-fixation, nitrogen-fixation, nitrogen-fixation, nitrogen-fixation, nodulation, growth, light wavelength effects on 9589.

nitrogen fixation, nodulation, growth, light wavelength effects on 9589. nitrogen fixation, pasture 6981.

nitrogen fixation, pasture 6981.

nitrogen fixation, yield, nitrogen fertilizers effects on 2364.

nodulation, Rhizobium trifolii strains, inoculation 608.

nodules, Rhizobium trifolii strains, inoculation 608.

nodules, Rhizobium trifolii bacteroids, scanning electron microscopy 8676.

peanut stunt virus isolation, USA, Arkansas 1127.

Rhizobium trifolii symbiosis, nitrogen fixation 7003.

Rhizobium trifolii symbiosis, soil pH, acidity, effects on, measuring techniques

4235

Hillzobium trinolii symbiosis, soin pr., acidity, eribtas un, measuring techniques 4235.

Rhizoctonia root rot, etiology 8537.
root rot, Fusarium 5681.
roots exudates, lectins, binding capsules, Rhizobium trifolii 1508.
roots, inferaction, vesicular-arbuscular mycorrhizas 5893.
roots irvasion, fungi, Nematoda 5692.
roots, Prithium irregulare, Phytophthora megasperma, soil microorganisms, infectivity 350.
roots, Rhizobium trifolii attachement, nitrate inhibition 4242.
soil microorganisms, Rhizobium trifolii, factors affecting competitiveness 611.
viruses infection pathology, association, Aphididae filters prevention transmission 1147.
Trifollum subterraneum,
Cercospora zebrina infection, new records, Australia 8538.
growth, Glomus fasiculatus, phosphate fertilizers 9547.
nitrogen fixation, Rhizobium 2366.
nitrogen-15 distribution, bacteroids, nodules, Rhizobium, nitrogen fixation 9615.
roots, carbondyrates levels, nutrient availability phosphorus, endomycorrhizas 9576.

99/16.
Toots, mycorrhizas, phosphate, cations uptake 559.
symbiosis, mycorrhizas, effects on nitrate reductase (NADH) 6997.
vesicular-arbuscular mycorrhizas, effects on, growth 6942.
Trifoilum tembense,
root rot, Myrothecium roridum, Myrothecium verrucaria 9329.
Trifoilum vesiculosum,
bysiciloriar discorface; tissues, association funci 8544.

root rot, Myrothecium roridum, Myrothecium verrucaria 9329.

Trifoflum vealculosum, physiological disorders, tissues, association, fungi 8544.

Triforine, control, post-harvest decay, Botryodiplodia theobromae rot, bananas 5804. disease control, Sphaerotheca fulgimea, powdery mildew, Cucumis sativus 2275. effects on Conidiobotus obscurus resting spores spore germination 7762. foliar applications, Begonia, powdery mildew, antifungal activity 1393. powdery mildew control, Rosa 5044.

Trigeminal nerve, ganglia, mice, herpes simplex virus infection, 9-(2-hydroxyethoxymethyl)guanine treatment effects on reactivation 7107.

Trigenella foenum-graecum, nodules, ammonia assimilation, bacteroids, nitrogen fixation 3242.

1,2,8-Trihyroxy-octahydroindolizine, Hizoctonia leguminicola, characterization 7500.

Trimethoprim, analogs, antibacterial activity, 6035. antibacterial activity, nasopharynx isolates 7066. antibacterial activity, indicamides synergism, pharmacokinetics 4289. antibiotic resistance plasmids, Enterobacteriaceae, distribution 3302. antibiotic resistance plasmids, Enterobacteriaceae, distribution 3302. antibiotic resistance plasmids, gram-negative bacteria, isolation, characterization 7872.

Bordetella pertussis, drug sensitivity testing 7133.

Campylobacter fetus, subsp.jejuni, drug sensitivity testing 4292. drug resistance, bacteria, reviews 3293. drug resistance, Enterobacteriaceae, gene transfer, plasmids 3298.

Trimethoprim, (continued)
drug resistance, Enterobacteriaceae, urinary tract isolates, British Isles 6007.
drug resistance, Enterobacteriaceae, urinary tract isolates, British Isles 6007.
drug resistance mechanisms, bacteria 6000.
drug resistance mechanisms, bacteria, clinical isolates 5999.
drug resistance, plasmids, Salmonella 14277.
drug resistance, Salmonella isolates, Netherlands, incidence 5161.
drug resistance, Salmonella stoslates, Netherlands, incidence 5161.
drug resistance, Salmonella stoslates, Salphylococcus saprophyticus 4279.
drug resistance, Entrahydrofolate dehydrogenase genes, Escherichia coli,
Klebsvella pneumoniae 1522.
drug resistance, Transfer, urinary tract clinical isolates, Finland 9654.
drug resistance, Transfer, urinary tract clinical isolates, Finland 9654.
drug resistance transfer, plasmids vivo antibacterial activity obs.
resistance transfer, plasmids role, Escherichia coli 6028.
rlampicin, synergism, in vitro, antibacterial activity, bacteria drug resistance
finament, and transfer, plasmids role, Escherichia coli 6028.

6163. susceptibility, antimicrobial agents, statistical analysis methodology 1795. Trimethylamine-N-oxide reductase, Escherichia coli, inhibition, preservatives 269. purification, characterization, Salmonella hyphimurium 8263. 1-(2,2,3-Trimethylcyclopent-3-en-yll-propan-2-one, Acremonium roseum, conversion 8435. Trimmatostrome bitarium, leafente Teaglinghis, New Zealand 2706.

leafspot, Eucalyptus, New Zealand 7706.

characterization, association Eucalyptus leafspot 5085.
Trimmetostrome excentricum, leafspot, Eucalyptus, New Zealand 7706.
2,4,6-Trinitrotoluene, transformation, bacteria 2019.
transformation, Dacteria 2019.
4,18,19-Trinor-3,4-seco-5-cox-(12Z)-labda-8(17),12,14-trien-3-oic acid, conversion, Fihodococcus erythropolis 8438.

Triostin, molecular weight 6211.

Triostin A, binding adenine, guanine, N.M.R. 8030.

Triostins, antibiotics, antibacterial activity 3424.

antibiotics, antibactena activity or 2-7.
Triperanol,
transformation, metabolites, Lagenidium 1965.
Triphenyl-phosphonic arythydrazone,
antibacterial activity 7923.
Triphenythin chloride,
seed treatments, Oryza sativa, Xanthomonas oryzae infection 2293.
Triphenythin isoselenocyanate 4-picoline,
antifungal activity, Curvularia lunata var.aeria 7939.
Trip

+EDTA, ± antibiotics, antibacterial activity, pathogens, bacteria 7080. +EDTA treatment, Vibrio cholerae lysis, association nitrofurantoin resistance

Trisaccharides,

Insacronarioes, antigen O antigenic determinants, synthesis, Salmonella, Escherichia coli 2821. components, Shigelia sonnei antigen (enterobacterial common), structure 9196. Triscelophorus monosporus, cellulose decomposition 2903. Triterpene glycosides, Holothuroidea, antimicrobial activity, bacteria, fungi 2494.

Holothuroidea, antimicrobial activity, bacteria, fungi 2494.

Tritlation, aminoglycoside antibiotics, methodology 8821.

Tritlcum, α-amylase inhibitor, inhibition α-amylase, Bacillus subtilis 4629. brown rust, stripe rust, germplasm screening, field trials, disease resistance development, India 5726.

Cephalosporium grammeum infection, roots freeze-thawing effects on 376. crop fields, damage, pests, Aphididae 3001. cultivation, association, aging microorganisms, metabolism interaction 3943. disease resistance, powdery mildew, treatment, drug resistance 2126. footrot pathogens antagonism, Pseudocercosporella herpotrichoides, Fusarium, Rizicctonia cerealis 1148.

Gaeumannomyces gramines wartritici take-ali, association, soil water 491. genetic analysis, disease resistance, stripe rust, Puccinia striiformis 1344. Gibberella zeae infection, vomitoxin distribution, 8546. glume blotch, Septoria nodorum, association Sitodiplosis mosellana 1187. infectivity, Rhizoctonia solani, Rhizoctonia cerealis 9967. loose smut, Ustilago tritici, races, Australia 3941. mosaic disease, viruses etiology, India 3953. ntrogen-fixing pacteria etivity, acetyleyne reduction 1497. plant diseases, Erysphe graminis, Puccinia hordei, Septonia, disease control, fungicides 5830. seedlings, Fusarium culmorum infection, water potential effects on pathogenicity 1149.

seedlings, Fusarium culmorum infection, water potential effects on pathogenicity 1149

1149. seeds, sterilization, methodology, Gaeumannomyces 5846. Septonia tritici infection, leaves necrosis, yield reduction 9368. soil properties, effects on rhizosphere microorganisms 7797. soils (loam), lertilizers (slow release) effects on, nitrification, uptake, yield 621

soits (oam), termizars (slow frelease) enects on, hirmication, uprake, yield 621.

stem rust disease resistance, measuring techniques, DNA hybridization 449. stem rust pathogens, Puccinia graminis, disease control, Barberis vulgaris eradication, USA 1389. stem rust, Puccinia graminis f.sp.tritici, strains, characterization 3944. straw, biodegradation, soil, Cephalosporium gramineum, effects on 8451. straw, composting, mesophilic fungi colonization 3781. straw, production, single-cell protein, Myrothecium verrucaria 1084. straw, thermophilic fungi colonization, composting 3780. vesicular-arbuscular mycorhizas, effects on drought tolerance 4185. yield, Gaeumannomyces graminis take-all, potassium nutrition, effects on 371. yield, yellow spot effects on 4956. Tritloum seathum, Aphididae, disease transmission, barley yellow dwarf virus 9340. barley yellow dwarf virus, Aphididae, infection, identification, aerial photography 6762. benomyl, treatment, footrot, Pseudocercosporella herpotrichoides 2284. blotch, Bacillus megaterum pv.cereales 1152. Botrytis cinerea infection, defense mechanisms, leaves, lignin induction 1368.

Triticum aestivum, (continued)

```
Triticum aestivum, (continued) seeds germination. Azotobacter chrococccum stimulation 3194. 
Septoria infection, yield 9369. 
Septoria nodorum glume blotch, disease control, crop rotation, seed treatments
     brown rust susceptibility, Puccinia recondita var.tritici 3006. bunt, Tilletia 1196.
   bunt, Tilletta 1196.
bunt, Tilletta controversa, disease control, fungicides foliar applications 4111.
calcium intrate, potassium phosphate, effects on, disease resistance, powdery mildew, Erysiphe gramins 373.
Cladosponum infection, Stobion avenae honeydew+barley yellow dwarf virus infection effects on pathogenicity 3934.
cold hardiness, barley yellow dwarf virus infection, effects on 9343.
contamination, Aspergillus flavus aflatoxins 397.
crop rotation, take-all, Gaeumannomyces graminis var. tritici 2266.
cultivars, disease resistance, plant breeding, leaf rust, Puccinia recondita f. sp. tritici 1338.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Septoria speckled leaf blotch, incidence, distribution, USA, California 1171, snow mold 1194.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           soil-borne diseases, wheat mosaic virus vectors. Polymyxa graminis ultrastructure
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         363.
sprays, disease control, Puccinia striiformis, stripe rust 5722.
statistical analysis, epidemiology, stripe rust. Puccinia striiformis 2125.
stem rust disease resistance, genetic control 7731.
stem rust, disease resistance, inheritance, genetic analysis 1348.
stem rust Puccinia graminis fisp. firtici, pathogenesis 9351.
stem rust, Puccinia graminis fisp. firtici, photosynthesis inhibitors effects on 2248.
     cultivars, disease resistance, plant precing, lear fust, Fudchina fectional and the state of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3948
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           stem rust, Puccinia graminis f.sp.tritici races, overwintering, USA, Texas,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           stem rust, Puccinia graminis i spuritici races, overwiniering, 1004, i texas, Mexico 496, i stem rust, Puccinia graminis f.sp. tritici, virulence gene frequency 5041, stem rust, virulence, Puccinia graminis f.sp. tritici races 4958, straw decomposition, respiration, C/N ratios, soil microorganisms 6966, straw, degradation, Trichoderma reseei cellulase, cultivars effects on 8415, straw, Pleurotus ostreatus+Enwinia carotovora, culture, effects on, nutritive value. Burminatia 954.
     Dakota 7730. disease resistance, loose smut, Ustilago tritici 8624. disease resistance, powdery mildew, Enspihe graminis f.sp.tritici 2263. disease resistance, soreening, Erysiphe graminis f.sp.tritici infection 1347. disease resistance, seasonal vanation, Septoria nodorum 6781. disease resistance, seading bight, Fusarium graminearum 4072. disease resistance, Septoria nodorum infection, genetic analysis 4058. disease resistance, Septoria nodorum infection, genetic analysis 4058. disease resistance, Septoria Pour graminis f.sp.tritici, genetic analysis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Straw, Pieturius de veraus - Laman value, Ruminata de value d
     disease tolerance, barley yellow dwarf virus 365.
Erysiphe graminis f.sp.tritici powdery mildew, disease resistance inheritance
     9464.

eyes pot, Phizoctonia cerealis, etiology 2124.
eyes pot, Pseudocercosporella herpotrichoides, rainfall spores dispersal, disease spread 5727.
factors affecting, disease resistance, footrot, Pseudocercosporella herpotrichoides 4087.
fluorescence detection, seed-borne diseases, Septoria nodorum 1190.
fluorisection, palar tratericing, coatrons, wayas, plastics, 4071.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           take-all, Gaeumannomyces graminis, disease control, use, Pseudomonas 4090. 
take-all, Gaeumannomyces graminis var.tritici, disease control, benomyl, 
carbendazim 507.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           take-all, Gaeumannomyces graminis var.tritici, incidence, agricultural practices effects on 9361.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           take-all, Gaeumannomyces graminis var.tritici, pathogenicity, soil pH effects on
       fungi infection, plant protection, coatings, waxes, plastics 4071. 
fungicides, insecticides, pests control, disease control 2273. 
Fusanium culmorum infected, role, Fusanium culmorum infected roots, crop residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3013
take-all, Gaeumannomyces graminis var.tritici, triadimenol seed treatments 5067. 
take-all, Gaeumannomyces graminis var.tritici, virulence 2137. 
take-all, Soil microorganisms, ameba, phagocytosis, fungi 4223. 
tilalea, crop residues burning, vertical distribution. Cochliobolus sativus 9358. 
Tiletia controversa burnt, disease control, fungicides seed treatments 4110. 
tuptake, nitrogen sources, crop residues, decomposition, soil microorganisms 7001. 
urea folia application, effects on rhizosphera microorganisms, respiration 7820. 
Ustilago tritici infection, lactors affecting 380. 
vascular system, disease spread, bartey yellowd ward virus 9342. 
wheat mosaic virus infection, cytology 2117. 
wheat mosaic virus infection, soil furnigation effects on 9499. 
wheat spiridle streak mosaic virus infection, soil furnigation effects on 9499. 
wheat spiridle streak mosaic virus infection, detection, immunoelectron microscopy 9353.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3013
   Fusanum cumorum infected, role, Fusarium cumforum infected roots, crop in 3961.

Gaeumannomyces graminis, infection, inoculation, methodology 3949, genes, disease resistance, Ersysiphe graminis f.sp.tritic infection, cell walls chemical composition association 9476.

genetic analysis, disease resistance, loose smut, Ustilago 7744.
genetic lactors, disease resistance, rust, Puccinia graminis f.sp.tritici 3125.
glume blotch, Septoria nodorum, pathogenicity 3021.
glume blotch, Septoria nodorum, pathogenicity 3021.
glume blotch, Septoria nodorum, symptoms 3950.
grain, contamination, Tilletia controversa spores 1329.
grain, contamination, Tilletia controversa spores 1329.
grain, contamination, Tilletia controversa spores 1329.
grain, incommental septom sincidence, factors affecting 5725.
heredity, disease resistance, Helimithosporium sativum leafspot 3121.
hordinare substance, and pathogenicity, spore germination 3019.
inheritance, disease resistance, usts, Puccinia Introina 2255.
leaf rust disease resistance, genetic variance 1161.
leaf rust, Puccinia recondital, spilomiology, infectivity 370.
leaf rust, Puccinia recondital, spilomiology, infectivity 370.
leaf rust, Puccinia recondital, spilomiology, infectivity 370.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           wheat streak mosaic virus infection, association, protein composition 6779.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           yellow spot, Pyrenophora tritici-repentis, epidemiology, yield 8547, yield, Azospirillum brasilense inoculation rhizosphere, nitrogen fixation 9602
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           yleid, Azospirinium brasilense inoculation truizospirere, nitr
yleid, fungi root rot, factors effecting 1179.
yleid, inoculation, Azospirillum, nitrogen fixation 9599.
yleid, relationship, Azospirillum inoculation 5942.
yleid, speckled leaf blotch, disease control, models 7671.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              yield, speckied lear biotch, disease control, models 76 
yield, stripe rust, Puccinia striformis 1165.

Triftcum turgidum, disease resistance, stem rust, genetic control 7728, 
yield, inoculation, Azospirillum, nitrogen fixation 9599.

Triftum, uptake, association, biological activity, soil, USA 3209
Triton X-100,
     3932.
leafspot, Aschochyta avenae, pathogenicity, climatic conditions 8549.
leaves, Puccinia recondita uredinia growth rate association 6748.
mosaic disease, Corynebacterium michigaenense subsp. tesellarius 4966.
Neovossia indica bunt, relationship bakery products properties 5708.
Neovossia indica bunt, screening methodology 6350.
nitrogen, agricultural practices, effects on, incidence, bunt, Neovossia indica 1159.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        sociation, biological activity, soil, USA 3209.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           activation glucose dehydrogenase, cytoplasmic membranes, Pseudomonas fluorescens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      955
       ntrogen nutrition, role, Azospirillum brasilense biomass 7011.
nitrogen nutrition, role, nitrogen-fixing bacteria, rhizosphere microorganisms
7006.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Tromantadine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  antiviral activity, herpes simplex virus 1 replication 1574.

Tromethamine,

+EDTA+EDTA, antibacterial activity, Escherichia coli 8765.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            rometnamine,
+EDTA--EDTA, antibacterial activity, Escherichia coli 8765.

Trophic relationa,
Trophic relationa,
Trophic relationa,
Trophic relationa,
Tropical environment,
drinking water contamination, coliforms identification characterization 8978,
torests, leaf litter decomposition, population levels, soil microorganisms 5855.
torests, leaf litter decomposition, population levels 1443.
tung biodeterioration, products 2004.
grasslands, respiration, soil properties, seasonal variations 561.
leaf litter decomposition, forests, Guyana 8447.
organic matter decomposition, soil microorganisms 4186.
plant diseases, geminivirus 4921.
plants, Azospirillum rhizosphere microorganisms, identification, incidence 7853.
respiration, soil properties, diurnal variations 1493.
soil, incidence, sulfate-reducing bacteria 3178.
soil microorganisms, effects on, plants, yield, books 8181.
soil microorganisms, population levels, biomass, biological activity 7824.
storage, Bacillus thuringiensis, biological control, larvae, Simulium damnosum
6610.
     plant breeding, disease resistance, barley yellow dwarf virus 445, plant breeding, disease resistance, glume blotch, Septoria nodorum 3123, plant breeding, disease resistance, stem rust 447.
     plant breeding, disease resistance, stem rust, Puccinia graminis f.sp.tritici
   pouts; plant breeding, height, disease resistance, leaf blotch, Septoria tritica 454, powdery mildew, disease control, triadimeron 1422, powdery mildew, Erysiphe graminis f.sp.tritici, virulence, mutants, genetic analysis 356, proteins metabolism, role disease resistance, stem rust, Puccinia graminis proteins metabolism, role disease resistance, stem rust, Puccinia graminis
proteins metabolism, role disease resistance, stem rust, Puccinia grammis
1. sp. tritici 4075.
Pyrenophora: tritici-repentis spot, incidence, Colombia, Ecuador, Peru 9356.
resistance breeding, Neovossia indica burt 5817.
rizoplane, Azotobacter chrococcum growth 3195.
respiration, soil properties, durnal variations 1493.
ricidence, sulfate-reducing bacteria 3178.
ricidence, sulfate-reducing bacteria, sprowth, incidence 785:
respiration, soil properties, durnal variations 1493.
ricidence, sulfate-reducing bacteria, sprowth, incidence, sulfate-reducing bacteria, soil microorganisms, effects on, plants, yield, books 8181.
ricidence, sulfate-reducing bacteria, soil microorganisms, spoulation levels, biomass, biological activity 7824.
roots, Gaeulus thurngiensis, biological control, larvae, Simulium damnosum 6610.
roots exudates, effects on introgen inxation, fizicaphere microorganisms 4237.
roots, Gaeumannomyces graminis infection, bacteria antagonism, class effects on simple sulfate reducing bacteria 3178.
ricidence, sulfate-reducing bacteria, soil microorganisms, effects on, plants, yield, books 8181.
ricidence, sulfate-reducing bacteria, soil microorganisms, effects on, plants, yield, books 8181.
ricidence, sulfate-reducing bacteria 3178.
root sulfate-reducing bacteria 3178.
respirations 1493.
respirations 1493.
respirations 1493.
respir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Phaseolus vulgaris disease resistance, Xanthomonas campestris pv.phaseoli blight
 3008
Tust, fungicides treatment, association grain quality 7667.
Tust, interaction, barley yellow dwarf virus, Puccinia recondita f.sp.tritici, pathology 344.
scab, Fusarium graminearum, USA, Washington 6771.
seed treatments, disease control, loose smut, Ustilago 1431.
seed treatments, relationship calcium percoxide antimicrobial activity 7773, seed treatments, use, phenylmercuric acetate, effects on Fusarium nivale infection 8645.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Trypanosoma cruzi, Trypanosoma cruzi, Trypanosoma cruzi, Trypanosoma cruzi, Trypanosoma cruzi, Trypanosoma cruzi, Trypanastigotes, morphology, infectivity, Vero cells, proteins biosynthesis 1824. Trypanosoma cruzi, morphology, infectivity, Vero cells, proteins biosynthesis 1824.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Tryporyza nivella,
biological control, Bactospeine 1042.
Trypsin,
antibacterial activity, Chlamydia 9714.
   Seed treatments, use, pnerrymercuric acetate, energy on rusarum nivate infection 8645.
seed-borne diseases, fungicides disease control 1434.
seedlings, pathology, seed-borne diseases, Fusarium nivate 3937.
seedlings, root rot, Fusarium grammearum, nitrapyrin disease control 4109.
seeds, fungi infection, relationship germination 8600.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  assays, 4-methylumbelliferyl esters substrate specificity analysis 5504.

Trypsin-like enzyme,
Streptomyces erythraeus, interaction ovomucoid, Coturnix japonica 6481.
```

Tryptone,

heat treatments, antibacterial agents production 8777.

Tryptophan,
catabolism, Phizobium japonicum mutants, biosynthesis, indole-3-acetic acid,
indolepyruvic acid 8198.

indulepyrum auto 130.

effects on Fusarium moniliforme nicotinic acid biosynthesis 1841.
nutrient requirements, mucidin biosynthesis, Oudemansiella mucida 8015.
production, growth conditions, Achromobacter liquidum 8203.
residues, histidine decarboxylase, N-bromosuccinimide chemical modification,

Micrococcus 24. Isidues, ribonuclease, conformational analysis, Bacillus intermedius 2768

residues, ribonuclease, conformational analysis, Bacillus intermedius 2768
L*Tryptophan,
Escherichia coli, production 9160,
production, Escherichia coli immobilized cells 9126.
Tryptophan desminase,
detection, identification, Enterobacteriaceae 6311.
Tryptophan synthase,
conformation, ligands binding effects on, Escherichia coli 6485.
Escherichia coli, use, L-selenocysteine enzymatic synthesis 9127.
pyridoxal 5*-phosphate binding, NMR, Escherichia coli 4628,
quaternary structure, fluorescence, hydrodynamics, Escherichia coli 1871,
c-subunit unfolding, urea induction, absorption spectroscopy, Escherichia
coli 4590.
X-ray scattering, Escherichia coli 1865.

X-ray scattering, Escherichia coli 1865.

Array scattering, Escherichia coli 1865.
Tryptophanese,
overproduction, Escherichia coli mutants 9137.
Tryptophanyl-tRNA synthetase,
punfication, Bacillus stearothermophilus 933.
Tsuga heterophylla,

ectomycorrhizas symbiosis, relationship, survival, association, wood decay, minerals soil 3164.

minerals soil 3164, forests, wood decay, C/N ratios 527, growth, mycorrhizas, soil properties effects on 520. Laccaria laccata, effects on, growth, Conferences 522, leaf litter decomposition, fertilizer applications effects on, forest floor 6897. mycorrhizas, biodegradation, wood, use, inoculum 529, seedlings, Cenococcum geophillum mycorrhizas formation, USA, Oregon 6912, seedlings, plant diseases, Colletotrichum acutatum, new records, Canada 7783. Utber.

Pinus radiata, Pseudotsuga menziesii, New Zealand 7774.

Tuber melanosporum,
fruit bodies production, fertilization, irrigation, Quercus lanuginosa 6899. Tuberaceae,

ectomycorrhizas symbiosis, incidence 4210. Tuberculin,

activity, association Mycobacterium tuberculosis proteins, biosynthesis, characterization 6384

Tuberculosis, Mycobacterium, clinical isolates, antibiotic resistance, antitubercular agents

mycobacterium, identification methodology 3607 treatment, association, ethambutol analogs antibacterial activity, Mycobacterium

Tuberculostearic acid, detection, Mycobacterium identification 6326. Tubers.

metalaxyl accumulation, antifungal activity, Phytophthora infestans, Solanum

tuberosum 9495. potato virus M levels, Solanum tuberosum 7693

soft rot, Solanum tuberosum 5752.
Solanum tuberosum 5752.
Solanum tuberosum 5752.
Solanum tuberosum, hypersensitive response, sesquiterpenoids, alkaloids, Phytophthora infestans 3089.
Solanum tuberosum, incidence, potato virus Y, potato leaf roll virus, USA 1245.
Solanum tuberosum, incidence, potato mop-top virus 2173.
Solanum tuberosum, isoprenoids isolation, Phoma exigua var.foveata infection 3074.

3974

Solanum tuberosum, phytoalexins induction, arachidonic acid, infection, Phytophthora infestans 428.

Solanum tuberosum, potato leaf roll virus detection, enzyme-linked immunosorbent assay 9404. Solanum tuberosum, sesquiterpenes induction, alternaric acid, Alternaria solani

5051

Solanum tuberosum, soft rot, Erwinia 6809.
Solanum tuberosum, tobacco rattle virus, detection, enzyme-linked immunosorbent assay, hybridization analysis 6809.
Solanum tuberosum, ultrastructure, Phytophthora infestans mycelia lipoglycoproteins effects on 2257.
Tubular flow systems, fouling organisms, films, quantitation 5316.
Tularemia,

diagnosis, Dermacentor marginatus tissues fixation, disinfection 1774.
Tulip breaking virus,
virus, morphology, transmission (mechanical), Lilium longiflorum, Chenopodium

Tutipe, bulbs, Rhizoctonia solani survival, storage conditions effects on 3973.

Tumor cells, α-interferon antiviral activity 7946.

Tumors,
Kalanchoe, induction, Agrobacterium tumefaciens, osmotic pressure effects on 4029.

Nicotiana tabacum, Agrobacterium tumefaciens crown gall, morphology, genetic control 7689.

plants, molecules structure, books 8173.

thymidylate synthase, inhibition, Saccharopolyspora hirsuta vanoxonin 7449.

Tundra, peat, freeze-thawing effects on soil microorganisms 580.
soil, human impact, motor vehicles, arylsulfatase activity, soil moisture, USA,
Alaska 6951.

Auska uSD1.

Soil microorganisms, respiration, remote sensing, soil properties 5885.

soil properties, enzymatic activity 5884.

sub-alpine environments, mycorrhizas, biomass 5883.

Tungro virus,

disease control, host plants, pest resistance, genes, Nephotettix virescens,
Oryza sativa 5548.

disease registance, Oryza sativa 5548.

disease resistance, Oryza sativa 5812.

Tungsten,

containing formate dehydrogenase (NADP⁺), purification, activity, C.D., E.S.R., absorption spectroscopy, Clostridium thermoaceticum 8280.

Tunicamycin, absorption spectroscopy, Clostridium thermoaceticum 828 Tunicamycin, effects on, herpes simplex virus 1, glycoproteins, biosynthesis 4312, effects on, rotavirus (simian) SA11, glycoproteins, role, infectivity, morphogenesis 4313.

potentiation, interferon antiviral activity 9690. Tunimycin,

biosynthesis, Streptomyces hygroscopicus, continuous culture, genetic analysis 762. Turbidity,

Escherichia coli cell suspensions, β-adrenergic blocking agents effects on 2442.

polyethylene glycol, detection hepatitis B surface antigen antigen-antibody complexes 826.

Turfgrase,

Gramineae, blight, Pythium, pathology 5714.

Turimycin,

fermentation, regulation, hydrolase, phosphate, release 8038. fermentation, regulation, 3'.5-cyclic-nucleotide phosphodiesterase, phosphatase 8037 production, phosphate requirements, Streptomyces hygroscopicus 3439.

Turkey, Helianthus annuus, Septona helianthi leafspot, incidence, identification 9438.

Turkeys,

Campylobacter fetus subsp.jejuni, contamination 4787 intestine isolates, media (isolation) methodology 8135.

intestine isolates, media (isolation) methodology 8135. Salmonella contamination, abattoris 2050. Turnip mosale virus, Carthamus inchoria 1295. cyfology, immunodiagnosis, Brassica oleracea var.acephala 4983. effects on, yield, Rheum rhaponticum 2199. host range 2179.

infection, cytology, Nicotiana glutinosa 2164. infection, Impatiens balsamina, pathogenesis 3079. susceptibility, Brassica 2186. Turnip yellow mosaic virus, infected protoplasts, identification, autoradiography 8094. infection, Cruciferae 3082

Tuvalu,

oral hygiene, association, periodontal diseases, dental caries, man 8078.

+polyvinylpyrrolidone media (culture), Leptospira interrogans growth 9031.

hydrolysis, mycobacterium esterase, purification, physicochemical properaties 8259. role, ethanol tolerance enhancement, Saccharomyces, sake fermentation 9244. Tylosin,

biosynthesis pathway, Streptomyces fradiae 3434. biosynthesis, relationship, cyclic AMP, growth, Streptomyces fradiae, mutants 4398

biosynthesis, Streptomyces fradiae 6196. effects on gram-positive bacteria macrolide antibiotics resistance, pigs isolates 5156.

5156.
macroide antibiotics structure. Streptomyces fradiae biosynthesis 6212.
production, batch culture, glucose, monosodium glutamate, stimulation,
Streptomyces fradiae 4425.
production, streptomyces, mycelia, immobilized cells 1685.
structure-activity relationships, antibacterial activity 3377.
Typha angustata,
nitrogen fixation assays, India 7851.
Typhold fever,
association, Salmonella typhi feces isolates, antigens detection, use,
agglutnation 641.
Typhula incarnata,
frot ord, artifungal activity, peracetic acid. Gramineae 1394.

foot rot, antifungal activity, peracetic acid, Gramineae 1394. Typing,
herpes simplex virus, methodology, drug sensitivity testing association thymidine
kinase activity 1741.
Proteocine sensitivity, Proteus clinical isolates, association, antibiotic

Tyrocidine A, antibacterial activity, Bacillus brevis, Bacillus subtilis 2424.

antibacterial activity, Bacillus brevis, Bacillus suculis 2424.

Tyroaine,

Tyroaine,

biodegradation, Lactobacillus plantarum 7549,

biosynthesis, Pseudomonas, 4-chlorobenzoic acid media 7308,

measurements, use Aeromonas phenotogenes electrodes 6303,

+norieucine, media (culture), identification, Obstrictium difficile 9907,

residues, iodination, nbosomes, nbosomal subunit 505, Escherichia coli 7289.

Tyroaine aminotransferase,

purification, characterization, Trichoderma viride 947.

Tyrosine ammonia-lyase,

levels, Cryza sativa leaf blight 384.

Tyrosine decarboxylase,

Streptococcus faecalis, asasys, spectrophotometry 7345.

Tyrosyl-tRNA synthetase,

amino acid sequence, Bacillus stearothermophilus 6532.

U.V. Radiation,

bacteriocins biosynthesis induction, Erwinia 760. disinfection, Bacillus subtilis contamination waste water 3472

effects on hypersensitive response, tobacco mosaic virus, Phaseolus vulgaris 3111

311.1 inactivation, nuclear polyhedrosis virus, effects on infectivity, Lymantria dispar 2487. protection virulence, nuclear polyhedrosis virus, pest control, biological control, Lymantria dispar 7475. radioresistance, Aureobasidium pullulans, ploidy effects on 2395. resistance, Rifactors, plasmid pBS12, plasmid pBS31, Pseudomonas aeruginosa 7037. treatment, bacteria food contamination, fishery products 4849. +treatment pools, microflora, incidence, Naeglena, hospitals 798. water sterilization, effects on bacteria 4325.

Undecanoic acid, (continued)
keratinase, phosholipase A, levels 7877.
Undecaprenyl pyrophosphate synthetase,
purfication, characterization, Bacillus subtilis 1916.
Undecyleneaniilde,
undecyleneaniilde, activity 9665. U.V. Spectroscopy,
albomycin 81, albomycin 82, albomycin € structure. Streptomyces 2573.
proteinase inhibitor, Streptomyces higrescens 7306.
Ubiquinol-cytochrome c reductase.
cytochrome b, isolation, characterization, Rhodopseudomonas sphaeroides 4564.
cytochrome b, physicochemical properties, Rhodopseudomonas sphaeroides 4692
isolation, characterization, electron microscopy, Neurospora 6486. derivatives, antibacterial activity 9665. Undecylenic acid, emulsions, antifungal activity 7932 **Ubiquinone** emusions, annungal activity 7522.

Undergrowth,
Ptendium aquilinum, Abies concolor, Pseudotsuga menziesii, detection, ectomycorrhizas association 4191. glucose dehydrogenase reduction, cytoplasmic membranes, Pseudomonas fluorescer 955 Ubiquinone-10, Understory, Myrica cerifera, nitrogen fixation, Pinus elliottii, plantations 5853. Paracoccus denitrificans, production, anaerobic conditions 5551 Udder, cattle, microflora, sanitation, milk contamination 5339 Unguicularia, came, microflora, sanitation, mitic contamination 5339
Mygene, relationship Streptococcus, Staphylococcus, mastitis cattle 4453,
infectious disease, cattle, association, environmental conditions 6272,
microflora, milk contamination, cattle 4820,
preparation, cattle, relationship, bacteria milk contamination 4798. decomposition, leaf litter, Abies alba 2301. Uracii. racti, biodegradation, soil 5890. production, Candida 5537. racil phosphoribosyltransferase, Acholeplasma laidlawii, purification, characterization 9141. Udder hygiene, mastitis, cattle 9819 mastitis, cottin yalisi, cattle 9820.
mastitis, cottin yalisi, cattle 9820.
mastitis, prophylaxis, cattle 9820.
mastitis prophylaxis, cattle 9820.
DP-M-se, niviro susceptibility, Staphylococcus aureus 6038.
UP-M-set, niviro susceptibility, Staphylococcus aureus 6038.
UP-M-set, niviro susceptibility, susceptibility, Escherichia coli 8043.
UP-M-set, pluguocamine phosphate,
intermediates, streptomycin biosynthesis, Streptomyces griseus 3412.
UP-acetylglucocamine pytrophosphates,
assays, Candida albicans 58.
UP-acetylglucocamine pytrophosphates,
punification, characterization, Escherichia coli 6448.
UP-acetylglucocamine Sethydrogenase,
punification, characterization, Escherichia coli 6450.
UP-pastylmnocamine dehydrogenase,
punification, characterization, Escherichia coli 6450. adsorption, Rhizopus arrhizus, chitin effects on 8714. bioaccumulation, Streptomyces viridochromogenes, immobilized cells, sea water 4258
ermulsan binding, kinetics, Acinetobacter 7863.
leaching, phosphorites, heterotrophic microorganisms 3255.
mobilization, rocks, mycelia growth, Aspergillus, penicillium 7014.
Penicillium, microbiology, biomass, pH 8969
solubilization. Thiobacillus ferrooxidans 7864
solubilization, removal, Penicillium digitatum mycelia biomass use 9628. Urate oxidase, cyanide inhibition, mechanisms, Candida utilis 945. DDPgalactose, production, Torulopsis candida, radioactive labelling 6575. Urban anvironments, composting solid wastes, biological activity effects on microflora evolution 8942. production, Torulopsis candida, radioactive labelling 6575.

UDrgalactose 4-spinerassa.

UDrgalactose 4-spinerassa.

decient mutant, Saimonella anatum, antigen O polysaccharides biosynthesis, and the spinerassa.

UDrgalucose, accident ardioactive labelling 6575.

UDrgalucose 4-spinerassa.

1-anilino-8-naphthalenesulfonic acid interaction, fluorescence, Saccharomyces fragilis 5494.

purficiation, characterization, Saccharomyces cerevisiae 4655. Urbanization, Urdbanization, sewage treatment, effects on, antibiotic resistance, coliforms 7879. Urdbean leaf crinkle virus, histopathology, Vigna mungo 6735. infection, Vigna radiata, benomyl effects on disease transmission 3152. detection, electrodes, nitrifying bacteria, immobilized cells 1804 disease control, Ventuna prina, scab, Pyrus communis 1395. effects on, bacteria growth, crop residues digestion, forage quality 4860. effects on Clostridium botulinum neurotoxins activity 5661, effects on subtilisin conformation, C.D., fluorescence, kinetics, Bacillus subtilis 99. purification, characterization, Saccharomyces cerevisiae 4655. Uganda, Poaceae rust, incidence 9365. Ulceracin, Corynebacterium ulcerans, purification, characterization, antibacterial activity 8026. fertilizer applications, nitrogen sources, soil microorganisms, nitrification Ulcers, folia application, effects on rhizosphere microorganisms, respiration, Triticum aestivum 7820. comea, treatment, man, relationship anesthetics antibacterial activity 9676. Uleine,
transformation, Streptomyces purpurescens, Streptomyces rimosus, Penicillium
adametzi, Penicillium chrysogenum 7465. adsulvini / 762...

foliar applications, effects on rhizosphere microorganisms, Zea mays 5932.
hydrolysis, soil microorganisms, aerobic conditions, anaerobic conditions 5109.
induction tryptophan synthase α-subunit unfolding, absorption spectroscopy,
Escherichia coli 4590
Lumulus lysate test, effects on endotoxins assays 8513.
soil amendment, nitrogen fixation, Trifolium repens, pasture 3240.
Internal name. Ulmus,
Ceratocystis ulmi phytotoxins detection, use, fluorescent antibody test 4167.
Dutch elm disease, biological control, Trichoderma viride 6613.
Dutch elm disease, Ceratocystis ulmi 4145.
Dutch elm disease, Ceratocystis ulmi, environmental impact, Aves, population Ureaplasma, Ureapiasma, incomycin media (selective) 7233. Ureapiasma urealyticum, antibodies, detection, enzyme-linked immunosorbent assay 9871. immunoglobulin G, immunoglobulin M, immunofluorescence detection, serum, man changes 6927.
exudates, yeasts isolation, identification, host specificity, population dynamics exudates, yeasts isolation, identification, host specificity, population dynamics 2295.
sensitivity, Ophiostoma ulmi, relationship, Dutch elm disease distribution, Belgium 5080.
yellows, mycoplasma-like organisms, effects on stomata 3171.
Ulmus americana,
annual rings, isolation, Ceratocystis ulmi, USA, California 2310.
Ceratocystis ulmi, Dutch elm disease, defects 4152.
Ceratocystis ulmi Dutch elm disease, prophylaxis, benzimidazole derivatives 1458.
Ceratocystis ulmi, pathogenicity 5371.
wetwood, bacteria, gas production 2323.
wetwood etiology, bacteria species 8657.
xylem, dysfunction, Dutch elm disease, Ceratocystis ulmi 8640.
Ulmus glabra,
Dutch elm disease, microorganisms, Scolytus vectors 1453.
Ulmus partfolla,
Ceratocystis ulmi, pathogenicity 5871.
Ulmus pumila,
Botryodiplodia hypodermia infection, virulence 2320.
Ultocladium charfarum,
fruit rot, Cucumis, extracellular enzymes effects on pathogenesis 4015.
Ultracentrifugation,
cytochrome c' subunit association, Rhodosparillum rubrum 7296. 2295 9932 killing, media (culture) antisera 833.
rosaramicin, antibacterial activity, antibiotic resistance 2397 Urease, rease, activity, soil 616. biosynthesis. Staphylococcus saprophyticus, isolation 7339. detection, identification, Enterobacteriaceae 6311. positive bacteria, antibiotic sensitivity testing, neomycin, ampicillin 751. soil microorganisms, kinetics 2343. Uredinales, competition, evolution 6764 Puccinia recondita, growth rate, association, Triticum aestivum leaves 6748. Urediniospores, Puccinia arachidis inoculation, Arachis hypogaea, host plants genotypes effects on 5683 Uredo kabaleensis,
Poaceae, Africa, East 9365.
Uredo spinuliosa sp.nov,
taxonomy, rust, host range, Discorea 4013.
Uredo sportoboli-pyramitdaildis,
Poaceae, Africa, East 9365.
Ureidos, cytochrome of subunit association, Rhodospirillum rubrum 7296 fatty-acid synthetase, quaternary structure, Brevibacterium ammoniagens 2763. preparation, vaccines, Pseudomonas aeruginosa 3456 purilication, plasmids 3553. Ultrafiltration Glycine max nitrogen fixation 2365.

Ureidosuccinic acid dihydrazide,
effects on Pseudomonas pseudomallei, Salmonella typhimurium, enzymes, infectivity
6056. hearterison, bacteria, milk, inorganic compounds membranes 4782. membranes, bacteria, hygiene, milk products 4791, preparation, vaccines, Pseudomonas aeruginosa 3456. separation techniques, bacteria enzymes 9167. 6056.

Urldine phosphorylase,
Acholeptasma laidlawii, purification, characterization 9142.
purification, Eschericha coli 9164.

Urlnary tract,
bacteria isolates, antibiotic sensitivity testing, antibiotic resistance 4287.
bacteria isolates, antibiotic sensitivity testing, antibiotic resistance 4287.
bacteria isolates, antimicrobial agents activity 8767.
bacteria isolates, drug resistance, man, environmental hygiene 8074.
clinical isolates, drug resistance, timethoprim, transfer, Finland 9654.
clinical isolates, drug sensitivity testing, bacturcult 6114.
clinical isolates, drug sensitivity testing, bacturcult 6114.
clinical isolates, nalidixic acid resistance, rosoxacin antibacterial activity
5195. Ultrahigh temperature,
pasteurization, milk, limulus lysate test, detection, bacteria 201.
Ultrasound, separation bacteria, films, counting methods, activated sludge 8933. hexose, fermentation, Torulopsis candida, UDPglucose production, UDPgalactose production, radioactive labelling 6575.
 Unclnula necestor,
 powdery mildew. Bothytis cinerea, propiconazole effects on 4102.
 powdery mildew disease control, greenhouses plants, ectaconazole treatment 5004.
 powdery mildew. Vitis vinifera buds, overwintering 1270.
 powdery mildew, Vitis vinifera. Cucumis sativus, Trillcum, disease resistance.
 Cultural conditions 2250. 5195 5195.
Escherichia coli clinical isolates, antibiotic resistance 7034.
isolates, bacteria, antibiotics sensitivity 8813.
isolates, bacteria, antibiotics sensitivity 8813.
isolates, Enterobacteriaceae, trimethoprim, drug resistance, British Isles 6007.
pigs, animal isolates, bacteria, chemotherapeutics, drug sensitivity testing Undecanoic acid,

pigs, an 2464.

antifungal activity, phospholipids metabolism, Trichophyton rubrum 7931, drug resistance, Trichophyton rubrum resistant mutant, triacylglycerol lipase,

Urinary tract Infection,
clinical isolates, antibiotic resistance 2418.
dibekacin freatment, man, antibacterial activity 6187.
Escherichia coli, Klebsiella, detection, gas chromatography methodology 9929.
gram-negative bacteria, cinoxacin treatment, man, antibacterial activity, reviews 8762

Rowatinex treatment, man 2430.

albumin, enzyme immunoassay, solid phase methods, Staphylococcus aureus protein A 5397

5397.
anthmicrobial agents, bioassays, Bacillus subtilis spores 9708.
aztreonam assays, high-pressure liquid chromatography 7167.
bacteria, bacteriuria detection, dipside test 9965
bacteria, culture methodology 5387.
bacteria, culture methodology 5387.
bacteria, reservation methodology 1100.
media (transport) effects on bacteria 9909.
microscopy, detection, bacteriuria, man 2695.
screening, bacteriuria, counting methods, man 9945.
soil amendment, nitrogen fixation, Trifolium repens, pasture 3240.
soil nitrogen balance, denntrifying bacteria, effects on 2371.
Staphylococcus saprophyticus, media (isolation) 9951.

Staphylococcus appropriyticus, media (soliation) 3531.

Viromyces appendiculatus,
infestation, seasonal variations, chemical control, effects on crop production,
Macrophilium atropurpureum, Australia 5589,
rust, interspecific relationships, Verticillium lecanii, population dynamics,

rust, interspecific relationships, Verticilium lecanii, population dynamics, Phaseolus vulgars 2108.
rust, Vigna sinensis, Oman, new records 7661.
Vromyces appendiculatus var.appendiculatus, rust, Phaseolus vulgars, chlorothalonii disease control 9491.
Vromyces hypartheniae, Poacoae, Africa, East 9365.
Vromyces phaseoli, infection, phytoalexins induction, defense mechanisms, Phaseolus vulgaris 1352. rust, Phaseolus vulgaris, biological control, Bacillus subtilis 9498.
Vromyces pruncis.

Uromyces rumicis, infection, Emex australis, pathogenesis, effects on dispersal 425.

Uromyces striatus, rust, Medicago sativa, Egypt 5670.

Tusk, Neduragu sativa; Egypt oo 70.
Vromyces transversalis, nev records 2203.
Vromyces viciae-fabae,
infection, Vicia faba, cytology, scanning electron microscopy 5695.
rusk, disease resistance, inheritance, Vicia faba 2253. Uronic acid,

bioassays, association cell membranes polysaccharides, microorganisms 5365.

Uroporphyrinogens,
Rhiodopseudomonas sphaeroides, biosynthesis, enzymes systems 9206.

Ursodeoxycholic acld,
biosynthesis, Fusarium equiseti, lithocholic acid metabolism 1825.

SA, Aphididae, disease transmission, Solanum tuberosum, potato virus Y, potato virus X, potato virus S, potato leare, anticoption de sateria, antibiotic resistance, aminoglyosoide antibiotics, clinical aspects, docasge frequency effects on 6002.

docasge frequency effects on 6002.
dosage frequency effects on 6002.

Barberis vulgaris eradication, disease control, Triticum stem rust pathogens 1389, clubroot, association, lasmodiophora brassicae races detection 3977. crop rotation, ferbilization, association, catalase activity, soil 2382, food poisoning, Clostridium perfringens toxins, man 2958. Givcine max, Phiatophora gregata isolates, pathogenicity 4932. Lycopersicon esculentum, Alternaria solani early blight, computer applications predictions 4011. mines, forest products, Basidiomycetes biodegradation 7792. mushrooms cultivation, technology, species use, reviews 4825, pecans, food contamination, aflatoxins, weather effects on 6672. Phaseotus vulgaris, bean common mosaic virus infection, epidemiology 5690. Pinus monticola, blister rust, disease resistance 8618. Pyricularia oryzae blast, Oryza sativa disease resistance 5711. Scientinia scientionium white mold, Phaseolus 4940, soil, tritium uptake, association, biological activity 3209. Solanum tuberosum tubers, incidence, potato virus Y, potato leaf roli virus 1245. Zea mays, pathogenicity, Stenocarpella macrospora, comparison, Stenocarpella mays (570).

USA, Aleste.
Lakes, Carax, plant debris, biodegradation, nutrient enrichment effects on 2023, nitrogen cycle 7849, soil, numan impact, motor vehicles, arylsulfatase activity, soil moisture 6951. USA, Alesten.

crop fields irrigation, Pythium aphanidermatium inoculum density, Beta vulgaris

426.
USA, Arkansas,
Iris germanica, leafspot, incidence, Heterosporium Iridis 4988.
new records, Vaccinium corymbosum, root rot, Phytophthora 1263.
Trifolium repens, Phaseolus vulgaris, peanut stunt virus isolation 1127.
USA, Californie,
Arbutus menziesii, Arctostaphylos manzanita, mycorrhizas symbiosis 4196.
clubroot, association, lasmodiophora brassicae races detection 3977.
kiwfruit post-harvest decay, fungi contamination 5031.
montane environments, mudflows, soil organic matter accretion, nutrient cycles,
biological activity 9566.
Pieroe's disease bacteria incidence, plants, vectors 8531.

biological activity 9566. Pierce's disease bacteria incidence, plants, vectors 8531. Septoria speckled leaf blotch, Triticum aestivum, incidence, distribution 1171. Ulmus americana, annual rings, isolation, Ceratocystis ulmi 2310. Vitis vinifera, fruits, Botrytis cinerea rot, agricultural practices effects on pathogenicity 7685. USA, Colorado, root rot, Triticum aestivum, fungi identification 6776. streams, water quality, surface water, environmental impact, grazing, cattle 2073.

8973.

USA, Pelaware, Microsphaera diffusa, powdery mildew, Glycine max 4934.

USA, Florida,

Cajanus cajan, mycoplasma-like organisms witches' broom incidence, association, USA, Utah, mabdovirus infection 4945.

USA, Florida, (continued)

Carica papaya, viruses incidence, distribution 5020. Citrus latifolia plant diseases, melanose, greasy spot, epidemiology, Diaporthe citri. Mycosphaerella citri 9376

lettuce mosaic virus detection, Lactuca sativa seeds, enzyme-linked immunosorbent

assay 5017.

Besudomonas cichorni necrosis outbreaks, Chrysanthemum morifolium stems 5023.

Pseudomonas corrugata necrosis incidence, Lycopersicon esculentum stems 5025.

Psophocarpus tetragonolobus, cucumber mosaic virus isolation, characterization

Vaccinium ashei, symbiosis, Elaphomyces persoonii, factors affecting 4192.

Kuehneola uredinis leaf rust, Rubus, weed control, biological control 9410. pasture soil, Pythium splendens suppression, germination, growth 9551. USA, Idaho,

Cronartium coleosporioides, blister rust, relationship habitat, surveys, Pinus contorta 5862 USA, Illinois,

forests, floodplains, nutrient dynamics litter fall decomposition 6890. Glycine max diseases identification, computer applications 4942

USA, Indiana,
Gramineae, barley yellow dwarf virus disease reservoirs 1158.
Zea mays, Puccinia polysora rust, incidence, relationship, weather 6765. USA, lowa,

Populus, endomycorrhizas association, incidence 5851.

USA, Kentucky,
weather, relationship, Phomopsis infection, Glycine max seeds 6734.

USA, Louislana,

Zea mays, occurrence, aflatoxins, Aspergillus flavus 7626. USA, Maine,

Larix laricina, Lachnellula willkommii canker 5876. USA, Maryland,

soil nitrate reduction, association, tillage, crop production (no-tillage) 5950. USA, Massachusetts,

isolation, Gigaspora reticulata sp.nov., characterization 4187. USA, Michigan,

benomyl, use, disease control, dieback, Vitis vinifera 6881. Elaeagnus angustifolia, Phomopsis elaeagni canker, incidence 9522. USA, Minnesota,

Verticicadiella procera, decline, Pinus strobus, Pinus resinosa, Pinus nigra 5077.

USA, Mississippi, Gramineae, infection susceptibility, maize dwarf mosaic vurus, sugarcane mosaic virus 8559. Saccharum, rust, overwintering 3016.

USA, Missouri,

USA, Misaouri,
Festuca arundinacea, barley yellow dwarf virus disease reservoirs, disease
transmission, role, Schizaphis graminum, Rhopalosiphum padi 1164.
USA, New Jersey,
Vaccinium corymbosum, stem canker, Botryosphaeria corticis, incidence 6831.
USA, New Mexico,
Rhizoctonia solani, soil population levels, anastomosis, association, Arachis
hypogaea 5094.
USA, New York,
Bremia lactucae infection, Lactuca sativa, virulence 402.
USA, North Carolina.

USA, North Carolina, forests soil, sulfoquinovose sulfur mineralization, soil microorganisms 6904. greenhouses, plant diseases, roots, crops, fungi, bacteria 9411. soil, Pseudomonas solanacearum survival, Lycopersicon esculentum wilt 8675. tobacco mosaic virus, infecton, effects on, Nicotiana tabacum, yield 9396. Vaccinium corymbosum, fruit rot, Phomopsis vaccinii 390. USA, North Dakota,

Triticum sestivum, disease resistance, leaf rust, genetic control, computer applications 7730.

USA, Ohio,
Glydne max, plant breeding, disease tolerance, Phytophthora root rot 7656. maize white line mosaic virus, detection, soli, infection plants, disease

transmission 1200.

uairsnission 1200.
root rot, Glycine max, disease control, fungicides seed treatments 7772.
Rubus idaeus, spur blight, row width, role, disease control 7734.
Zea mays, leaf blight, Exserohilum turcicum, pathogenesis 7668. USA, Oregon,

clubroot, association, lasmodiophora brassicae races detection 3977. stands, biomass, nutrient cycles, mycomhizas, fungi, soil, Pseudotsuga menziesii

6905

osylo.

Tsuga heterophylla seedlings, Cenococcum geophilum mycorrhizas formation 6912.

USA, Pennsylvania,
drinking water contamination, hepatitis A virus, epidemiology, hepatitis A, man
7202.

Quercus wilt, epidemiology, disease spread 1462

Cluefcus wift, epidemiology, disease spread 1402.
USA, Rhode Island,
greenhouses, Rhododendron, incidence, mycorrhizas 4202.
isolation, Gjaspora reticulata sp.nov., characterization 4187.
USA, South Carolina,
com, aflatokina contamination, fluorescence, association, water content, assays

9291 USA, South Dakota,

Trematosphaeria circinans, root rot, crown rot, Medicago sativa 8532. USA, Tennessee,

plant viruses, Leguminosae, identification 5689. USA, Texas,

erwintering, Puccinia graminis f.sp.tritici races, stem rust, Triticum aestivum

Homopsis citri, post-harvest decay, grapefruits, fungicides disease control, fungicides, disease control, Phomopsis citri post-harvest decay, grapefruits, USA, Texas 4049. Puccinia graminis f.sp.avenae, stem rust, Avena sativa 4962. Rhizoctonia solani, soil population levels, anastomosis, association, Arachis

Medicago sativa, crown rot 9322.

USA, Virginia

Castanea dentata, canker, Endothia parasitica, disease transmission, role Acanna 6925.

USA, Washington,

clubroot, association, lasmodiophora brassicae races detection 3977.
lakes, nitrogen cycle, voicanoes, environmental impact, effects on bacteria 5122.
needliecast, Phaeocryptopus gaeumannii, infectivity, relationship, Pseudotsuga
menziesii developmental stages 6928.

menziesii developmental stages 5928.
Pseudotsuga menziesii, Phaeocryptopus gaeumannii needlecast, disease control, aenial applications, chiorothalonii 6879.
Solanum tuberosum, late blight, epidemics 1267.
Triticum aestivum, scab, Fusarium graminearum 6771.
USA, West Virginia,
Castanea (epitata, canaler, Endothia parasitum, risease transmission, role.

Castanea dentata, canker, Endothia parasitica, disease transmission, role, Acanna 6925. soil nitrate reduction, association, tillage, crop production (no-tillage) 5950.

USA, Wisconsin, Phaseolus vulgaris, root rot incidence, Phaseolus vulgaris 3923. Phytophthora megasperma f.sp.glycinea races, virulence 1130.

Phytophribital meglasperina is phytophrata labes, virulence in vol. USA, Wyoming, Medicago sativa, epidemiology, with, Verticillium albo-atrum 2123. Medicago sativa, root rot, Phytophthora megasperma is p.medicaginis 3921. Pinus contorta subsp.latifolia, nutrient dynamics, detritus, leaf litter, forest

root rot, Tritcum aestivum, fungi identification 6776. use Neissena meningifidis extracts, immunogenicity, mice 784 biosynthesis, antibacterial activity, lichens 6. USSR,

ISSR, activated studge, lysis bacteria isolation, role decontamination 8062.
Brucella isolates, bacteriocins production 2593.
com, aflatoxins food contamination 5652.
epidemics, Salmonella typhimurium isolation, antibiotic resistance 5166.
fungi diseases, plants, rare species 7646.
mountains, microorganisms relationship, soil 7827.
oil fields, methanogenic bacteria isolation, characterization 3260.
Oryza sativa, Cyanophyta nitrogen fixation 7846.
production, bakery products, beverages, enzymes use 6677.
soil, Actinomadura incidence 5923.
soil, ammonification, bacteria 7808.
soil, bacteria, nitrogen fixation 2361.
soil microorganisms, biogeochemistry, species diversity, bacteria, fungi 2347.
soil, hizosphere microorganisms, rhizoplane microorganisms, content, zinc, lead 2334.

soils (podzolic), distribution, Actinomadura 1492

loose smut, disease control, seed treatments, Triticum aestivum 1431. loose smut, disease resistance, genetic analysis, Triticum aestivum 7744. spore germination, iprodione, thiophanate methyl, effects on 7765.

spore germination, iprodione, thioppanate metriyi, eneuts 6.1776.

Uatilago avenae, and the advance of the state of the st

Sthut, Exemine automa 0702.

ustillago maydis,
cross-resistance, dodine, association fenarimol resistance 7022.
ergosterol biosynthesis, fungicides inhibition 1595.
ergosterol biosynthesis, fungicides may 8224.

Ustillago nuda, Ustilago nuda,
Toose smut, Hordeum vulgare, seed treatments, fungicides, reviews 4132.
Toose smut, virulence genes, inheritance, Hordeum 4967.
Ustilago pernodoxa,
smul, Echinochios frumentacea, incidence, India 2138.
Ustilago exitaminea,
solates differentiation, Saccharum, greenhouses 5001.
Saccharum officinarum smut, races, characterization, neutron activation analysis

6760

smut control, Saccharum officinale, Hawaii 5709

smut, disease resistance markers, glycosides, buds, Saccharum officinale 9359 smut, disease resistance, Saccharum officinarum 470. smut, Saccharum, disease resistance, heritability, diseases grades comparison yield 6859.

smut, Saccharum officinarum 1175. smut, Saccharum officinarum, disease resistance 2258.

Stiffly Usthingo Irritled, masterium, factors affecting 380, loose smut, disease resistance, Triticum asstrum 8624, loose smut, Triticum, races, Australia 3941.

Ustriago violacea, cytochrome c, purification, amino acid composition 2736.

relationship enterovirus, poliovirus, sewage sludge, man 3470. sheep, sheep pox virus, vaccines, preparation 3458.

sheep, :

accines, aerosols, Newcastle disease, antibody response, chickens 7188. antisera production, foot-and-mouth disease virus, guinea-pigs 5284. Bordetella bronchiseptica, preparation, immuniogenicity, immunity, dogs 785. Bordetella perfussis, stability, methodology 3450. canine distemper virus, adenovirus (canine), parvovirus (canine), parainfluenza virus, Leptospira, bacterins, immunogenicity, dogs 8924. contamination, fungi, antibiotic resistance, drug resistance, characterization 2306.

2390. development, rabies virus glycoproteins analogs gene expression, Escherichia coli 8046.

development, traveller's diarrhea, man 8048

development, traveller's diarrhea, man 804b.
equine infectious arteritis virus, stability 8052.
foot-and-mouth disease, DEAE adjuvants, immune response, pigs 2600.
hepatitis B virus, disease control, aluminum hydroxide, artibody response, man 783.
hepatitis B virus, disease control, man 3457.
herpestivins (equine) 1, production, antigenicity, chickens 8053.
Leptospira interrogans, immunogenicity, animal models 3455.

Vaccines, (continued)

mumps virus, measles virus, rubella virus, immunogenicity, storage effects on 4429

Mycobacterium bovis, immunogenicity 2601.

Invocusation in Lows, immunogenicity 2001.
Newcastle disease virus, agglutination tests, methodology 2648
Newcastle disease virus, production, immunity, chickens 1687.
Newcastle disease virus, production methodology effects on efficacy, chickens 8923

parainfluenza virus 3, proteins, hemagglutinins, immunogenicity, mice, sheep 7189.

parvovirus (canine), antibody response, immunity, dogs 2599 parvovirus (canine), antigenic characteristics 2598.

parvovirus (canine), antigenic characteristics 2598. production, bacteria 5283, production, penetic engineering, foot-and-mouth disease, reviews 8921, production, genetic engineering, foot-and-mouth disease, reviews 8921, production, viruses 5282. Pseudomonas aeruginosa, preparation, administration, function 6238. Pseudomonas aeruginosa, preparation, ultracentrirugation, ultraflitration 3456. rabies virus, production, BHK cells 7190. rabies virus, production, BHK cells 7190. rabies virus, use enzyme-linked immunosorbent assay 820. sheep pox virus, preparation, vaccination, sheep 3458. splitting products, influenza A virus, influenza B virus, antibody response, children 3451. Streptococcus pneumoniae. composition, use. man. reviews 8049.

Streptococcus pneumoniae, composition, use, man, reviews 8049 Streptococcus pneumoniae, immunogenicity, man 3454.

Vibrio anquillarium lipopolysaccharides, characterization 8051.
Vibrio cholerae, nutrient status, effects on, immunogenicity, chemostats 1686
viruses, genetic engineering 3453.
viruses, production, genetic engineering 3452.
viruses, production, genetic engineering 3452.
viruses, production, munogenicity, Salmo gairdneri 8925.

Vaccinia virus,
S-adenosylhomocysteine, analogs, effects on, RNA biosynthesis, mRNA, methylation

3349

3349. antiviral agents, plants extracts 3343. disinfectants antiviral activity, efficacy, gel filtration methodology 9694. DNA incorporation, 6-thioguainie effects on 9691. DNA-binding protein, purification, characterization 7295. 3'-O-methy daenosine, 3'-O-methy daenosine, antibition, RNA biosynthesis 3360. mutants, drug resistance, 2'-O-methyladenosine 8739. prostaglandins, inhibition, replication, fibroblasts, cell culture 2485. samples, bacteria contamination, phenols elimination 2657.

media (culture) effects on mycorrhizas formation 6970.

Vaccinium,
media (culture) effects on mycorrhizas formation 6970.
Monilinia infection 4012.

Vaccinium ashel,
symbiosis, Elaphomyces persoonii, USA, Florida, factors affecting 4192.

Vaccinium corymbosum,
fruit rot, Phomopsis vaccinii, USA, North Carolina 3980.
Monilinia vaccinii-corymbosi infection 4012.
mycorrhizas inoculation, association, soil pH 475.
pathology, blight, Phomopsis vaccinii 1271.
root rot, Phytophthora, new records, USA, Arkansas 1263.
stem canker, Bottyosphaeria corticis, incidence, USA, New Jersey 6831.
stumt, mycoplasma-ilkie organisms 5010.
tomato ringspot virus, tobacco ringspot virus, epidemiology 2161

Vaccinium macrocarpon,
fruit rot, post-harvest decay, pathogenicity, Phyllosticta vaccinii,
Bottyosphaeria vaccinii 9418.
pathology, black rot, Strasseria oxycocci 4050.
pathology, black rot, Strasseria oxycocci, Ceuthospora lunata 4052.

Vaccinium acoparium,
Abies lasiocarpa, habitat, relationship Cronartium coleosporioides, Pinus contorta, USA, Idaho 5862.

Vaccinium stamineum,
Monilitina polivoroiti infection 4012

Vaccinium stamineum,
Monilinia polyocidi infection 4012.

Vaccum packaging,
meat products, Prochothrix thermosphacta food contamination, biological control,
Lactobacilius use 4835.

Vacuoles, adenosinetriphosphatase, purification, characterization, Saccharomyces adenosinetriphoshatase, purification, characterization, Saccharomyce carisbergensis 45. solation, Neurospora, mycelia breakage methodology 4536. vesocular arbuscular mycorhizas 7825.

Vacuum packaging, beef, oxygen barrens films, bacteria food contamination 261. Enterobacteriaceae, Lactobacillus, spoliage, meat 4879. films permeability, beef spoliage, Lactobacillus 5635. food, food contamination, conferences 5480. lactic acid bacteria inoculation, Vibrio spoliage, shellfish 8495. luncheon meat, factors affecting gram-negative bacteria growth 4878. meat products, spoliage, fungi 4880. onlons, beets, spoliage, Enterobacteriaceae, Lactobacillus 4882. potatoes, spoliage, psychrophilic bacteria 4883. refingeration, beef, spoliage, Enterobacteriaceae 5638. Vagina, Haemophilus vaginalis, media (isolation), man 8112.

mophilus vaginalis, media (isolation), man 8112

Haemophilus vaginalis, media (isolation), man 8112.

Vaginitis,
Corynebacterium vaginale, identification, man 888.

Validamych,
inhibition, Rhizoctonia solani, hyphae extension, growth 1568.
+ media (culture), use, isolation, soil microorganisms, fungi 2709.

Valine,

allne, binding pyruvate kinase, Neurospora crassa 1931. effects on, leucine conversion, 3-methyl-1-butanol biosynthesis, Saccharomyces cerevisiae, nutrient requirements 3724. nutrient requirements 3724. nutrient requirements, monensin biosynthesis, Streptomyces cinnamonensis 8016. production, Microcouccus varians, hydrocarbons utilization 7286. role, macrolide antibiotics biosynthesis, Streptomyces fradiae 882. Streptomyces fradiae 882. Streptomyces fradiae 882. Sacsativity, association, nutrient status, threonine effects on Escherichia coli 3204.

Valsa ceratosperma, phytotoxins, isolation, identification 4904.

Vancomycin, antibacterial activity, comparison teichomycin 8899

Vancomycin, (continued)
antibacterial activity, dipheroids 7977.
antibacterial activity, pharmacokinetics, side effects 5172.
antibacterial activity, Staphylococcus aureus 3383.
antibacterial activity, Straphococcus, Straptococcus 8011.
antibiotic sensitivity testing, gram-postive bacteria 6202.
Bacteroides fragilis antibiotic sensitivity testing 7130.
Campylobacteri fetus subsp.jejuni drug sensitivity testing 4292.
fluorescence immunoassays 9784.
± gentamicin, ± rifampioin, antibiotic synergism, antibacterial activity, methicillin resistance Staphylococcus 7126.
+ gentamicin, + tobramycin, antibiotic synergism, antibacterial activity, Staphylococcus aureus 771.
Gram stain reaction, methodology, identification, gram-negative bacillii, Gram stain reaction, methodology, identification, gram-negative bacillii.

Staphylococcus aureius 771.

Gram stain reaction, methodology, identification, gram-negative bacilli, gram-positive bacilli 9972.

+ rifampicin, artibacterial activity, Enterobacteriaceae 772.

+ rifampicin, artibacterial activity, Staphylococcus, Streptococcus 3392. sensitivity, Staphylococcus epidermidis 882s. use auxotrophs isolation, Mycobacterium smegmatis 8134.

Vanillic acid, production, Streptomyces viridosporus, vanillin conversion 4578.

Vanillin, artifity of Capiddo phisosoccus contenses for activity.

antifungal activity, Candida albicans, Cryptococcus neoformans 2470. conversion, Streptomyces viridosporus, vanillic acid production 4578. O-Vanillin, inhibition Aspergillus parasiticus, aflatoxins biosynthesis, cereals, oilseed

crops 3874

Vanoxonin, Saccharopolyspora hirsuta, biosynthesis, isolation, inhibition, tumors thymidylate synthase 7449. disease control, Sclerotium cepivorum white rot, Allium 9492. treatment, Phellinus weirii infection, Pseudotsuga menziesii 545.

Varicalia, mosocomial environments, airborne microorganisms, disease spread 3490.

Varicalia-zoster virus, man, nosocomial environments, airborne microorganisms, disease spread 3490.

Varicalia-zoster virus, man, inspection properties of the prop

Variola virus, antiviral activity, macrolide antibiotics 7941.

antiviral activity, macrolide antibiotics /941.

Variolaric acid,
biosynthesis, lichens 3649.

Vascular system,
disease spread, barfey yellow dwarf virus, Triticum aestivum, Avena sativa 9342.

Vertucillium dahliae infection, isolation, Vitis vinifera 9406.

Vector-borne diseases,

Vectors,

Sector-borne diseases, Cryptosporiopsis canker, Acer rubrum, relationship Oecanthus angustipennis 9524.
Sectors, Achotina fulica, Erwinia canker, Carica papaya, symptoms, Mariana Islands 1222.
Aliygus mayri, disease transmission, mycoplasma-like organisms, stunt, Rubus 2169.
Aphididae, disease transmission, barley yellow dwarf virus, Hordeum vulgare 934.
Aphididae, disease transmission, barley yellow dwarf virus, Hordeum vulgare 934.
Aphididae, disease transmission, barley yellow dwarf virus, Hordeum vulgare 934.
Aphididae, disease transmission, barley selform of the properties of the properti

(Ronzontal) 123: beet necrotic yellow vein virus, Polymyxa betae ultrastructure, Beta vulgaris soil-borne diseases 363. Geratocystis minor blue stain, Dendroctonus frontalis, Tarsonemus, Pinus 3188. Geratoma trifurcata, been pod mottle virus detection, enzyme-linked immunosorbent assay, Glyriem max 3057. Cicadellidae, yellows, mycoplasma-like organisms 3938. Circuillier tenellus, Spiroplasma citri disease transmission, feeding, host plants

4920 cowpea banding mosaic virus infection, Vigna unguiculata, insecticides, disease

control 5808.

control 5808.

Deltocephalus flavicosta, disease transmission, mycoplasma-like organisms, yellows, Cocos 1210.

disease control, biological control, microorganisms, Insecta 6622.

disease transmission, barley yellow dwarf virus infection, Hordeum vulgare 3003.

disease transmission, pea enation mosaic virus, Lathyrus odoratus, Acyrthosyphon plaum 342.

disease transmission, research programs, biological control, Insecta 1029. Graminella nigrifrons, sex differences, maize chlorotic dwarf virus stunt, Zea mays 5697. Insecta, bacteria, plant diseases, reviews 2969

Insecta, bacteria, plant diseases, reviews 2969.

Insecta, biological control, developing countries 1028.

Insecta, viruses, mycoplasma-like organisms, rickettisi-like organisms, plant diseases 1120.

mycoplasma-like organisms, Philaenus spumarius, stunt, Rubus 3057.

Myzus persicae, potato virus Y detection, enzyme-linked immunosorbent assay 3517 necrotic yellows virus, Lactuca sativa, detection, enzyme-linked immunosorbent assay, Hyperomyzus Iactucae 415.

Nematoda, grapevine fanieaf virus infection, Vitis vinifera, disease control 4131

Nephotettix, rice gall dwarf virus disease transmission, Oryza sativa 4987

Nephotettix virescens, chemical control, plant extracts, disease transmission, rice tungro virus 7737.

nee tungro virus /737.
Nephotettix virescens, disease transmission, rice tungro virus, Oryza sativa 360.
Nephotettix virescens, Nephotettix nigropictus, rice tungro virus, Oryza 4951.
Nephotettix virescens, rice tungro virus, disease control, insecticides 6847.
pathogens control, excretory products disposal, man 6273.

Vectors, (continued)

Pierce si disease bacteria incidence, plants, USA, California 8531.
Piesma quadratum, rosette, Rickettsa-like organisms, Beta vulgaris 6810, rice tungro virus infection, Oryza sativa, insecticides, disease control 8613 Schizaphis graminum, disease transmission, maize dwarf mosaic virus, Gramineae

Scolytus, microorganisms, Dutch elm disease, Ulmus glabra 1453, Simulium damnosum, disease control, biological control, Bacillus thuringiensis

1020.
spores, Botryodipiodia theobroma, Periplaneta americana, Zonecerus varigatus, yams, post-harvest decay 442.
stunt, bactena, pathology, Ambrosia artemesirlolia 8576.
tomato bushy stunt virus, disease transmission, man, Lycopersicon esculentum

1308.

disease control, pest resistance, Nephotettix virescens, Oryza sativa 5548

sativa 5040.
viruses spot, Gramineae, symptoms, biological properties 1163.
watermelon mosaic virus 2, Jordan 1247.
wheat mosaic virus, Polymyxa graminis ultrastructure, Triticum aestivum soil-borne diseases 363.

Xiphinema americanum, disease control, peach rosette mosaic virus infection, Vitis labrusca 5842.

Vegetable marrow mosaic virus, disease resistance, germplasm, Curcurbita pepo 3116.

disease resistance, germplasm, Curcurbita pepo 3116.

Vegetables,
contamination, association, soil disinfection, bacteria 3253.
cultivation, fungi, infection, disease control 2209.
digestion, anaerobic microorganisms 4843,
food contamination protection, bacteria 2918.
freezing, survival, coliforms, Escherichia coli 12026.
indicator species, coliforms, Escherichia coli, freezing effects on 6668.
lactic acid fermentation, lactic acid bacteria 5607.
olis, disease control, infection, fungi, bacteria 2267.
sprouts, bacteria microflora 8473.

clay, nitrogen cycle, soil microorganisms effects on 603, sand dunes, correlation, activity, anylsuphohydrolase, cysteine desulphohydrase, thiosulphate cyanide sulphurtransferase, British Isles 6955.

Veillonella, clinical isolates, incubation, anaerobic environments 2680.

Cellical Isolates, incudation, anaeronic environments 2690.

Velilionella aficalescens,
acetate kinase, purification, characterization 8225,
methylmalonyl-CoA decarboxylase, purification, characterization, cell membranes
7347.

Velilonella parvula, Ipopolysaccharides biosynthesis, association, incorporation, fructose, ribose 8333.

ein banding virus, infection, Rubus, Ribes 2180.

Velocity, vind, offects on, enumeration, airborne microorganisms, fungi 1813. Velvet tobacco mottle virus, detection methodology, plant cells 4473.

enezuela, fruit juices, food contamination, yeasts 7574.

Venturia, benomyl, dodine resistance, measuring techniques 7886.

Venturia pirina, scab, disease control, urea, fenarimol, baycor 1395

Veratrole, metabolism intermediates, guaiacol, yeasts, characterization 8439.

witches' broom, mycoplasma-like organisms, disease transmission, Orosius lotophagorum ryukyuensis 9424.

Vero cells, cell culture, bovine diarrhea-mucosal disease virus elimination 6301.

Semi-control and the semination of the semination of solid Eschenchia coll entertotaxins assays 310.

1-(2-fluoro-2-deoxy-9-0-arabinofuranosy)thymine, antiviral activity, herpes simplex virus 1, p-interferon, synergism, antiviral agents, antiviral activity 697.

acumy ver. laboratory animals, domestic animals, toxicity, Escherichia coli toxins, gene transfer, phages conjugation 9315.

Trypanosoma cruzi trypomastigotes infectivity, morphology, proteins biosynthesis 1824.

Verrucarin,

binding dehydrogenase active sites, Saccharomyces cerevisiae 7625.

Verrucarin A,

transformation, 16-hydroxyverrucarin A, Rhizopus arrhizus 7503.

transformation, 16-hydroxyverrucarin B, Rhizopus arrhizus 7503.

biosynthesis, Stachybotrys chartarum 5654. Verrucosidin,

Penicillium verrucosum var.cyclopium, structure 6691. Verruculogen, biosynthesis, characterization, Penicillium raistrickii 2071.

Versicolorone,

versicoloforia, structure, Aspergillus versicolor 2852. Vertical distribution, Cochilobolus sativus, soil, tillaga, crop residues burning, Triticum aestivum

Verticillium lecanii, (continued) secondary metabolism, insecticides, production 6593 Vertical distribution, (continued) 9358. soil microorganisms, soil profiles 2350. Verticicadiella, verticinum nigrescens, incidence, Glycine max 9321. plants diseases, new records, New Zealand 3899. Verticillium theobromae, crown rot, Musa sapientum, pathogenicity 395. Vesicles, Verticicladiella, association, plant diseases, Pinus taeda, Pinus strobus, roots 5873 black stain, pathogenicity, Pinus ponderosa 5082. root rot, susceptibility, Scolytidae pest attack, Pinus ponderosa 5865. Verticicladiella abietina, black stain, pathogenicity, Pinus contorta 9519. black stain, pathogenicity, Pinus ponderosa 5082. Verticicladiella antibiotica, black stain, pathogenicity, Pinus contorta 9519. Verticicladiella penicillata, black stain, pathogenicity, Pinus contorta 9519. Verticicladiella procera, black stain, pathogenicity, Pinus contorta 9519. Verticicladiella procera, black stain, pathogenicity, Pinus contorta 9519. Penicillium chrysogenum protoplasts, immobilized cells, penicillin G production 2542. phospholipids, glycerophosphate acyltransferase, reconstitution, kinetics, N.M.R. 3703.
Trifolium pratense endomycorrhizas, ultrastructure 6974.
Vasicular stomatitis virus,
antigens biosynthesis, relationship α-interferon antiviral activity, enzyme
immunoassay 1762. Verticiciadiella procera, black stain, pathogenicity, Pinus contorta 9519.

decline, Pinus strobus, Pinus resinosa, Pinus nigra, USA, Minnesota 5077. pathogenicity, Pinus strobus, Pinus sylvestris, Pinus nigra, plantations 5083. pathogenicity, roots, relationship Pissodes approximatus, Hylobius, infestation, air pollution sensitivity, Pinus strobus 5866. Verticiciadiella serpena, black stain, pathogenicity, Pinus contorta 9519. roots infection, relationship air pollution sensitivity, Pinus strobus 5866. Verticiciadiella wageneri, black stain, pathogenicity, Pinus ponderosa 5082. black stain, Pseudotsuga menziesii roots 9526. Verticilitude. mmunoassay 1762 antiviral activity, interferon, regulation, double-stranded RNA, L cells 7105. antiviral agents effects on replication 6068. glycoproteins, oligosaccharides, structure, swainsonine, effects on 4314. infection inhibition, interferon, neurons, itsue culture 2490. infection, tissue culture, interferon levels, enzyme immunoassay 1749. interferon, antiviral activity, immunoassays 9698. interferon, inhibition, protein biosynthesis, antiviral activity 1575. purification methodology, association Ehrlich ascites tumor cells 1752. ribavirin, antiviral activity 7948. rhawin, artiviral activity 7948.

Vesicular-arbuscular mycorrhizas,
alkaline phosphatase levels, roots, stimulation growth, Vigna unguiculata 9560.
Allium porrum, Glomus mosseae symbiosis, carbon uptake 1471.
citrus dimensis, photoperiod effects on 4209.
Citrus gimbhin, effects on water uptake 4135.
colonization, roots, Agropyron trachycaulum, soil amendment, revegetation, land reclamation, mines 9542.
Distichilis spicata, effects on, association salimity 5098.
effects on, growth, Trifolium subterraneum 6942.
+tertilization, effects on Juniperus chinensis var.sargentii 4134.
formatton, Chrysanthemum norifolium buds development effects on, Glomus fasciculatus 4197.
Gigaspora margarita, Lollium perenne, carbon sources competition 564. black stam, pathogenicty, Plmus ponderosa 5042.
black stam, Pseudotsuga menziesi roots 9526.

Verticillium,
Iry bubble disease, pathogeneisis, susceptibility 2193.
Inytopathogenic fungi, survival, soil 790, particular, 3919, phytopathogenic fungi, survival, soil 790, particular, 3919, sopilage effects on seeds germination. Vigina catijung 9319, will, Arachis hypogeae, metham sodium disease control 1411, will, disease resistance, Medicary Chile 5737, will, Solanium melongenical, will solar treeding 7669, will, Solanium melongenical, will consideration, and the solar treeding 7669, will, Solanium melongenical, mulches effects on pathogenicity, yield 476, will, susceptibility, Gossyplum hirsutum, relationship, radicle exudates, -thilling 4030.

Verticillium albo-atrum, chilense effects on pathogenesis 4028, infection, Lycopersicon esculentum seedlings roots, pathogenesis 4028, infection, Solanium tuberosum leaves, pathology, hypersensitive response 3086, interaction, Medicago sativa, leaves, phytoalexins 2999.
Lycopersicon esculentum roots penetration, pathogenesis 6825, pathogenicity, Medicago sativa, leaves, phytoalexins 2999.
Lycopersicon esculentum roots penetration, pathogenesis 6825, pathogenicity, Medicago sativa, leaves, phytoalexins 2999.
Lycopersicon esculentum roots penetration, pathogenesis 6825, pathogenicity, Medicago sativa, leaves, phytoalexins 2999.
Lycopersicon esculentum, roots penetration, pathogenesis 6825, pathogenicity, Medicago sativa, leaves, phytoalexins 2999.
Lycopersicon esculentum, relative humidity effects on toxicity 499.
seed-borne diseases, detection, Medicago sativa, seeds 3918. ligaspora margarita. Lolium perenne, carbon sources competition 584. Glomus epigaeum, symbiosis, Malus, effects on growth 5097. Glomus faciculatus, symbiosis, Ornithogalum umbellatum, cell walls structure Glomus fasciculatum, alkaline phosphatase, acid phosphatase, roots, Arachis hypogaea 6947. Glomus fasciculatus, effects on protein composition, nitrogen levels, Arachis Glomus fasciculatus, effects on protein composition, histogen reverse, viacons hypogaea 6949.
Glomus fasciculatus, phosphate fertilizers uptake, growth, Lolium rigidum, Trifolium subterraneum 9547.
Glomus fasiculatus, inoculation, effect on Capsicum annuum growth, yield 4227. 499.
seed-borne diseases, detection, Medicago sativa, seeds 3918.
strains, pathogenicity, Medicago sativa 1131.
virulence, Medicago sativa, field trials, Europe, comparison, North America 8558.
wilt, defense mechanisms, enzymes, Lycopersicon esculentum 4077.
wilt, disease resistance assays, Medicago sativa 4963.
wilt, effects on, Spodoptera eridania, growth, feeding, Medicago sativa 4943.
wilt, Medicago sativa, India 4941.
wilt, Medicago sativa, India 4941. Glomus fasiculatus, inoculation, effect on Capsicum annuum growth, yield 4227. Glomus mosseae, spores, Vicia faba, crop fields 3186. Glomus mosseae, symbiosis, Lactuca sativa, nitrate, phosphate, effects on 5903. Glycine max, soil temperature effects on 2332. Glycine max, soil temperature effects on 2332. Gramineae, bromide uptake, chloride uptake 5101. habitat, ecological distribution, soil properties 570. inhibition Nematoda, rhizosphere, plants 5095. inoculation, Citrus, effects on growth 5093. inoculation, Citrus, effects on growth 5093. inoculation, phosphorus treatment, Manihot esculent response 4221. inoculation, procupion or confidence in the proculation of proculation of confidence in the confide wilt, Medicago sativa, India 4941.
wilt, pathogenicity, genetic analysis, Lycopersicon esculentum, Medicago sativa 3049.
Verticillium dahllae,
benomyl, antifungal activity 1412.
bioassays, defection, tissues, Solarum tuberosum, disease resistance 9083.
complementation genetic analysis, gene mapping, melanins deficient mutant,
association Gossypium wilt 6796.
fungistasis, relationship, soil depth, soil microorganisms, environmental factors
584.
infection Accertablems inoculum production, nutrient uptake, agricultural practices, land reclamation interaction, fungi, pathogens, plant diseases 317.
interaction, roots, Trifolium repens 5893.
Lobuleria maritima, Lunaria annua 6969.
morphology, Pteridophyta 2327.
nutrient transport, absorption, ecophysiology, population ecology, host plants 100-100 infection, Acer rubrum, stems water potential, relationship, electrical properties 2311. infection, Acer, temperature effects on growth 2321. infection, Gossypium hirsutum, Rotylenchulus reniformis effects on disease resistance 8612. 9539
petroleum sand. Pinus banksiana, Agropyron trachycaulum 5916.
phosphate uptake, Allium capa, Capsicum 6948.
phosphate uptake, seedlings, trees 9503.
physiology, nutrient transport, roots. host plants 9537.
plants symbiosis, use, agricultural practices, reviews 4188.
Rhizobium, phosphate levels, soil, yield, Medicago sativa 7850.
role, growth, nutrient uptake, Medicago sativa+Rhizobium meliloti nodulation, phosphorus fertilizers effects on 6943.
role Hordeum distiction nutrient uptake, growth, Denmark 5905. resistance 8612.

resistance 8612.

resistance 8612.

solumin melongena, Capsicum frutescens, Lycopersicon esculentum, plant extracts, antifungal activity, Cladosporium cucumerinum 6877.

infection, vascular system, isolation, Vitis vinifera 9406.

inoculum quantitation, relationship Gossypium defoliation 9390.

interaction pectin-deprading bacteria, Fusarium, wilt, Amoracia rusticana 1253.

pectic esterase production, metals cations effects on 7313.

root rot, soil acidification inhibition, Datura stramonium 6837.

sclerotia germination, competition, environmental stress, nutrient availability, soil 9573.

soil-borne diseases, biological control, Gossypium hrsutum 7769.

spore germination, carbon dioxide, oxygen, soil aeration 6968.

wilt, disease resistance, Gossypium 4086.

wilt, disease resistance, plant breeding, seedlings, Lycopersicon esculentum 5045.

wilt, disease resistance, Solanum melongena cultivars comparison 6853. role hordeum distinction nument uptake, growth, Dei roots morphology 587. saprophagy, soil, relationship, organic matter 8672. soil, fumigants, fungicides effects on 622. soil growth 5092. soil growth 5092.
strip mines, soil amendment, spores, association, Agropyron trachycaulum 1480.
symbiosis, Agropyron trachycaulum, mines soil-soil amendment 4203.
symbiosis, association, Frazirius pennsyvanica governous sociation, Frazirius pennsyvanica governous symbiosis, Gramineae, Pisum sativum, colonization 5902.
symbiosis, Ortanismae, Pisum sativum, colonization 5902.
symbiosis, potassium permanganate effects on 8671.
Trifolium, morphology comparison 6938.
Trificum, effects on drought tolerance 4185.
sterinary medicine. wift, disease resistance, Solanum melongena cultivars comparison 6853. wift, Gossyptum hirsutum, mathematical models, plants growth relationship 2134 wift, interaction, Erwinia carotovora, black leg, effects on, Solanum tuberosum Veterinary medicine, disinfection, sterilization 6274. vilt, Lycopersicon esculentum cuttivars, disease resistance 5043. wilt, proteins lipopolysaccharides complex characterization, Solanum tuberosum 1246. Vibramycin, Bacteroides fragilis antibiotic sensitivity testing 7130. L249.
wilt, Talaromyces flavus biological control, Solanum melongena 1390.
Verticillium fungicola,
Basidiomycetes pathogens, resistance, antifungal agents 5826.
dry bubble disease, prochioraz, disease control, Basidiomycetes 6824.
Verticillium fungicola ver, fungicola, Vibrio, Ibrio, antibioto sensitivity testing, dilution tests, agar diffusion test 3388, endotoxins, purification, characterizations 300. enterotoxins, production 2949. enterotoxins, production 2949. environmental factors, ecological distribution, coastal waters 6259, food contamination, ripening, salami 2030. gastrointestinal tract clinical isolates, norfloxacin antibacterial activity 2456. Verticillium fungicola var.fungicola, infection, Agaricus, prochioraz, disease control 4118.
Verticillium lamellicola,
4-O-carbomethoxylamellicolic anhydride, monomethyl 3-chlorolamellicolate,
lamellicolic anhydride, characterization 8378.
Verticillium lecaril,
interspecific relationships, Uromyces appendiculatus, population dynamics, rust,
Phaseolus vulgaris 2108.
microflora, Hordeum fungicides treatment effects on 7766.
pathogenesis, Brassica campestris, fluorescence, microscopy 2188.
pest control, biological control, Trialeurodes vaporariorum 126. 2455.
pathogenicity, Crassostrea rhizophorae, Jamaica, public health 8968.
Pisces pathogens, biological properties, identification methodology 1785.
a radiation damage, antibiotics resistant mutant effects on 6026.
sangunarine sensitivity 7067.
spoilage, lactic acid bacteria inoculation, vacuum packaging, shellfish 8495.
Vibrio alginotyticus.

antibacterial activity, nanoamycin 1674.

Vibrio alginolyticus, (continued) glucose, metabolism, calorimetry, measuring techniques 1772. identification, Vibrio parahaemolyticus, isolation, media (culture), methodology Vicia faba, (continued) 2678. Vibrio anguillarum, plasmids, drug resistance, conjugation, Vibrio parahaemolyticus 6015.

Iipopolysaccharides vaccines, characterization 8051.

Vibrio cholerae, antibiotic sensitivity testing, mecillinam 3407, antibiotic sensitivity testing, reservoirs, water isolates 7968, attachment, Copepoda, association, epidemiology, marine environment 2622. biotyping, growth, food contamination 3835. chemostats, nutrient status, effects on, immunogenicity, vaccines 1686. cholera enterotoxins biosynthesis 6713. cholera, man, epidemiology, sanitation relationship 2635. cholera toxins biosynthesis 3914. cholera toxins biosynthesis 3914. cholera toxins biosynthesis 3914. cholera toxins biosynthesis 3914. cholera toxins biosynthesis, continuo, 4-diamino-6,7-diisopropyl-pteridine 8730. enterotoxins, antiger resistance, 4-diamino-6,7-diisopropyl-pteridine 8730. enterotoxins, characterization, use, immunodiffusion, neutralization 7634. enterotoxins, characterization, use, immunodiffusion, neutralization 7634. enterotoxins, production 2949. enterotoxins, production 2949. enterotoxins, purification, characterization 292. enterotoxins, purification, characterization 293. food contamination, pasteurization, cocking man 1070. furazolidone antibacterial activity, enhancement, caffeine 1560. growth, batch culture, fermenters, factors affecting 2706. identification, fluorescent antibody test 842. isolation, estuaries, microbial pollution 2629. lipopolysaccharides, production, media (culture) 3891. lysis, Tins +EDTA treatment, association nitrofurantion resistance 7927. microbial pollution, counting methods, estuaries, microbial pollution, ounting methods, estuaries, microbial pollution, ounting methods, estuaries, microbial pollution, counting methods, estuaries, microbial pollution, counting methods, estuaries plasmids, drug resistance, conjugation, Vibrio parahaemolyticus 6015. Vicia villosa, 8678 toxins, radioimmunoassay 9294.

Vibrio fluvialis,
enterotoxins, production 2949.
methodology, media (enrichment), liquid culture, enumeration 8136.

Vibrio gazogenes,
prodigoismi, production, growth conditions 6604.

Vibrio haemolyticus,
incidence, Pisces, Crustacea, Kenya 1069.

Vibrio harveyl,
alkanal monooxygenase (FMN-linked), bioluminescence kinetics, mechanisms 7390.
daunomyccinomycin A reduction, NADH dehydrogenase catalysis 4633.
luciferin 2-monooxygenase subunits, 1-diazo-2-oxoundecane binding, photoaffinity
labelling 2800.
persistence, depuration, Mercenaria mercenaria 2052. 9460 persistence, depuration, Mercenaria mercenaria 2052. Vibrio metschnikovil, water isolates, rivers, phenotypes 6267. Vibrio mimicus, cholera toxins biosynthesis 9314.
enterotoxins biosynthesis, continuous culture, recycling 8517.
enterotoxins, production 2949.
isolation, sea water 6265. Vibrio parahaemolyticus arrivase hospitalis arrivase hospitalis peptones effects on 1942. conjugation, Vibrio anguillarum plasmids, drug resistance 6015. furazoldone arribacterial activity, enhancement, caffeine 1560. identification, Vibrio alginolyticus, isolation, media (culture), methodology 2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678

2678 chingens use dissilication 2000.
oxidase test, agar media, comparison 9043.
Vicia angustifolia,
Rhizobium inoculation, nodulation, nitrogen fixation 6992.
Vicia faba, 4931 Hhizobium inoculation, nodulation, nitrogen lixation 6992. (Yolia fabe, Asoochyta fabae infection, disease control 1138.

Asoochyta fabae infection, disease control 1138.

Bottylis cinerea, siderophores, lesions, development 3000.

Bottylis fabae infection, lesions spatial distribution, statistical analysis methodology 2110.

broad bean stain virus infection, pathogenesis 338.

Glomus mosseae spores, crop fields 3186.

growth stage, effects on phyliosphere distribution, Actinomyces, yeasts 6946, inheritance, disease resistance, ust, Uromyces viciae-fabae 2253.

lectins, Rhizobium leguminosarum interaction, 2,4-D, 2,4,5-T, effects on aggluitantion 892.

necrosis, role, interaction, broad bean leaf roll virus+pea early-browning virus+pea enation mosaic virus '7664.

ntrogen fixation analysis, isotopes methodology 5131, nitrogen fixation, analysis, isotopes methodology 5131, nitrogen fixation, analysis, isotopes methodology 5131, nitrogen nutrient uptake, inhibition nitrogen fixation 8685.

nitrogen-fixing bacteria, factors affecting phyllosphere distribution 5957.
nodules, Rhizobium, nitrogen fixiation 3231,
pathogenicity, Botrylis fabae, conidia, survival 5677,
photosynthesis, carbon sources, utilization, mycorrhizas, Rhizobium, nodulation,
nitrogen fixiation 615,
phyllosphere microorganisms, gibberellic acid effects on 9601. phyllosphere microorganisms, gibbreellic acid effects on 9601. plant diseases, surveys 7659. Plant diseases, surveys 7659. Rhizobium leguminosarum effects on yield 6982. Proots, association, mycorrhizas, biomass 553. straw, composting, mesophilic fungi colonization, ormoposting 3780. straw, thermophilic fungi colonization, composting 3780. tissues, plant viruses hybridization analysis methodology 9865. Uromycas viciae-fabae infection, scanning electron microscopy 5695, yield, phosphate-dissolving bacteria inoculation effects on 5992. Rhizobium inoculation, nodulation, nitrogen fixation 6992. Vigna, roots, shoots, genotypes, Rhizobium, nitrogen fixation 3234. roots, snoots, genotypes, randomental yights and yights, seeds germination, fungi spoilage effects on 3919.

Vigna cartiyung, seeds germination, fungi spoilage effects on 3919.

Vigna mungo, histopathology, urdbean leaf crinkle virus 6735.

mung bean yellow mosaic virus infection, disease resistance, genetic analysis 3137.

Distriction budrooan uptake relationship nitrogen fixation 7002. Rhizobium, hydrogen uptake relationship nitrogen fixation 7002. Rhizobium strains, inoculation, nitrogen fixation, host range 8679. Vigna radiata, Igna raciata, cowpea severe mosaic virus infection 4930. disease resistance, yellow mosaic virus 5806 fungi infection, biodeterioration, seed-borne diseases 3915, infection, urdbean leaf crinkle virus, benomyl effects on disease transmission 3152. leafspot, Xanthomonas phaseoli, bleaching powder, antibacterial activity 2289, leafspot, Xanthomonas phaseoli, disease control, fungicides, antibiotics 509. nodulation, introgen fixation, inhibition, mung bean yellow mosaic virus infection 1144. Induces Phizobium, nitrogenase activity, relationship extracellular polymers 5070. Dowdery mildew, benomyl, disease control 1433.
seed rot, role production, pectin lyase, pectate lyase, Phoma exigua, Vigna radiata 7413. radiata 7413.
seeds. Aspergilius infection, storage conditions effects on 2111.
seeds, incoulation, Rhizobium, survivability 1498.
Vigna sesquipedalie,
witches' broom, mycoplasma-like organisms, disease transmission, Orosius lotophagorum ryukyuensis 9424.
Vigna sinensis,
cowpea mosalic virus infection, effects on, biomass, primary production, growth
7649.
Cultiyars, Rhysburm, etwincultivars, Rhizobium strains cross inoculation 5123. leaves protein composition, disease resistance, tobacco necrosis virus infection phoric acid effects on Rhizobium nodulation 4251.
rust, susceptibility, Phaseolus vulgaris, association, rust developmental stages 6742
rust, Uromyces appendiculatus, Oman, new records 7661.
tobacco necrosis virus infection, osmotic stress effects on enzymes 413.
Vigna ungulculata,
blight, Xanthomonas campestris, comparison Phaseolus vulgaris, pathogenesis 340.
Coleoptera regurgitation factors role transmission, tobacco mosaic virus,
southern bean mosaic virus, bean pod motite virus, tobacco mingspot virus 6733.
cowpea aphid-borne mosaic virus infection, disease resistance 3139.
cowpea panding mosaic virus infection, effects on, nodulation, nitrogen fixation
5691.
cowpea banding mosaic virus infection, insecticides, disease control, vectors cowpea banding mosaic virus infection, insecticides, disease control, vectors 5808. cowpea chlorotic mottle virus infection, transmission (seed), disease resistance 332 cowpea cnicrouc mottle virus infection, transmission (seed), disease resistance 332 cowpea mosaic virus infection effects on yield 337. cowpea mosaic virus transmission (seed), screening association prevention 1124. crop rotation, Phaseolus vulgaris, Zea mays, notulation, growth 1504. damping-off, Phizoctonia solaini, herbicides effects on 9482. disease resistance breeding cowpea aphid-borne mosaic virus, cowpea mosaic virus, bacteria, infection 3138. disease transmission vectors, Aphididae, cowpea banding mosaic virus, cowpea necrosis virus, cowpea chlorotic spot virus 5673. elimination cowpea chlorotic mottle virus, temperature effects on 457. infectious diseases, germplasm reaction 5688. necrosis, Fusarium equiseit, India 2109. necrosis, viruses, environmental stress, relationship, electrolyte balance 2993. nitrogen fixation, nitrogen optyvirus infection, pathogenicity, Populus Isolates 316.
Rhizobium, hydrogen production, nutrient dynamics, carbon, nitrogen 4247.
Rhizobium japonicum symbiosis, characterization 8700.
Rhizobium, nodulation 3230. Rhuzobium, nodulation 3230.

Ihizobium strana, inoculation, nitrogen fixation, host range 8679.

Hizobium strana, inoculation, nitrogen fixation, host range 8679.

Hizobium strana, increases activity, Rhizobium japonicum 3225.

roots, growth levels, vesicular-arbuscular mycornizas 9560.

seeds, solation, Xanthomonas campestris pv. vignicola 4944.

susceptibitity, tobacco necrosis virus infection 2986.

tobacco streak virus infection, host specificity, pathogenesis, disease transmission 1126.

Xanthomonas campestris pv. vignicola infection, disease resistance 9471.

Zea mays, pollen, enhancement, Colletorichum lindemuthianum infection, inhibition, cowpea mosaic virus infection 327. Vinca rosea, enzymel-inked immunosorbent assay, Spiroplasma citri detection 3046. greening disease transmission, Cuscuta role 9448, sour cherry necrotic ring spot virus infection 2144, sissue culture, Agrobacterium turnef

Iruses, (continued)
detection, enzyme-inined immunosorbent assay, clinical microbiology 9858
detection, sampling methodology, activated sludge, wastewater treatment 6251,
detection, sediments, collection, methodology, marine environment 2655,
detection, sediments, collection, methodology, marine environment 2655,
disease control, plant breeding, germplasm, crops 2242,
disease transmission, citrus 3970,
disease transmission, mention analysis, detection, plant cells 6299,
DNA, FINA, hybridization analysis, detection, plant cells 6299,
DNA, sparation techniques 1739,
seimmation, menstem tip culture, Fragana 2243,
seimmation, menstem tip culture, Fragana 2243,
seimmation, menstem tip culture, Fragana 2243,
seimmation, prunus avium heat treatments 8585,
ententis, solation methodology, estuaries sediments 8106,
enzymel-inked immunosorbent assay, equipment cleaning systems 1764,
enzymes, antiviral agents interaction, activity mechanisms 9695,
etology, streak, Persea americana 9372,
food contamination, seafood 8466
fung, role, plant diseases, reviews 1119,
spenomes, detection, cell culture, immunofluorescence, immunoperoxidase test,
methodology 7231,
helper viruses, plant diseases, reviews 2979,
helper viruses, plant diseases, reviews 29 Viruses, (continued) Vinciozolin. Bacıllus subtilis biological control, white rot, Allium cepa, seed ± Bacillus Submis Biological Control, while told, industries, seek treatments 4103. His cinerae, fruit rot, Vits uniferae B639, disease control, grey mold, Botrytis cinerae, Cyclamen graecum 1424 effects on Monlinia fructicola, growth, sportulation, sociation 282 resistance, Monlinia fructicola, infection, Prunus persica, pathogenicity 2278, resistance, Monlinia faxa 1900.
use, ornamental plants disease control 5056. Vindole, conversion, laccase, fungi 7447 Vinegar, production, analyzers 9234. production, analyzers score.

Ylomycin,
antibiotic resistance, viomycin biosynthesis, Streptomyces puniceus 7161.

Yirenomycin,
components, separation techniques, characterization, antibacterial activity 779.

Yirginiamysin St,
availation, structure, mass spectroscopy 5268. isolation, structure, mass spectroscopy 5268. Viridicatumtoxin, helmaggiutnation, hemaggiutnation inhibition, methodology, erythrocytes stabilization 5371. Penicillium expansum, biosynthesis 6696. Viridogrisein, analogs, production, Streptomyces griseoviridus, proline hydroxylation mutants 8911. stabilization 55/1. hepatitis, diagnosis, enzyme-linked immunosorbent assay, use amidase 2659. host-pathogen interactions, disease resistance, genetic factors, plants 468. identification, diagnosis, entrodology, automated methods, books 5449. identification, plant diseases, Vitis vinifera 1283. inactivation, ammonia role, heat effects on 7945. incidence, distribution, Carica papaya, USA, Flonda 0200. incidence, distribution, Carica papaya, USA, Flonda 0200. Viridogrisein II, isolation, structure, mass spectroscopy 5268 Virions, aggregation, barley stripe mosaic virus, carnation ringspot virus, immunoelectrophoresis 3543. Moloney luckemia virus, infection, cells, interferon, antiviral activity, biochemical analysis 698. incidence, distribution, Carica papaya, USA, Florida 5020.
induction, disease resistance, plants, reviews 7751.
infected, Maius pumla, infrate, nutrition, effects on 389.
infected plants, methodology, isolation, double-stranded RNA 3897.
infection, Gucurbta pepo, field trials 5018.
infection, diagnosis, ornamental plants 2185.
infection, diagnosis, ornamental plants 2185.
infection, Gomphrena globosa, leaves hypersensitive response 2156.
infection, medicago sativa 2103.
infection, menstern tip culture elimination, association, regeneration 469.
infection, flootana glutionas, glycoproteins defense mechanisms, poly(I)-poly(C)+cyclic AMP+cyclic GMP, activation 3136.
infection, Oryza sativa, Japan, Asia, Southeast 4955.
infection, Oryza sativa, Japan, Asia, Southeast 4955.
infection, plants, association, tissues color, calcium chlonde preservatives 2093. tulip breaking virus, morphology, transmission (mechanical), Lilium longiflorum, Chenopodium 7707. Virolds, RNA, stunt, Arctium tomentosum, Arctium lappa, etiology 4021. Virulence,
Aphanomyces euteiches f.sp.phaseoli, Phaseolus vulgaris, comparison Pythium
ultimum 347.

Aphanomyces euteiches f.sp.phaseoli, Phaseolus vulgaris, comparison Pythium
ultimum 347. association, disease resistance, downy mildew, Bremia lactucae, Lactuca sativa 6820. association, disease resistance, downly influew, brefinal hautuctee, Eactucta saliva 6820.
bioassays, pest control, Entomophthorailes, insecta 1002.
bioassays, pest control, Entomophthorailes, insecta 1001.
blight, Cryphonectria parastitica, effects on, dieback, Castanea dentata 8655.
blight, Endothia parastitica, disease resistance, Castanea dentata 8623.
Bothyodiplodia hypodermia infection, Ulmus pumila 2320.
Bremia lactucae infection, Lactuca saliva, USA, New York 402.
Cochilobolius carbonum infection, Zea mays 375.
Cryptostroma corticale, sorby bark, Acer pseuaoplatanus 6931.
culex pipiens, Anopheles stephensi, Metarhizium anisopliae, conidia, viability, temperature, relative humidity, effects on 7478.
Culex pipiens, storage conditions, effects on, Metarhizium anisopliae, conidia, viability 7480.
ear rot, Gilbberella zeae, relationship, Zea mays, genotypes 3945.
Endothia parastitica, blight, Castanea dentata, Greece 6916.
Erysiphe graminis f.sp. tritici, powdery mildew, mutants, genetic analysis,
Triticum eastitum 356.
Exserohilum turicicum, leaf blight, disease resistance, Ht gene, zea mays 1370.
Fusarium oxysporum f.sp.medicaginis, wilt, disease resistance, Medicago saliva 3914.
sepes i listiliano nuda lonce smul inheritance. Horderum 4967. infection, plants, ribavirin, 2,4-dioxo-hexahydro-1,3,5-triazine, treatment 312. infection, plants. 2-chlorethylphosphonic acid effects on pathogenicity 319. infection, relationship, phenois solubility proteins, plants leaves, electrophoresis 2982. electroprioresis 2962.
Infection, stimulation, disease resistance, plants 3120.
Infection, treatment, antiviral agents, man, reviews 3364.
Infection, Trofiolium repens, pathology, association, Aphididae filters prevention transmission 1147. Exserohilum turicicum, leaf blight, disease resistance, Ht gene, zea mays 1370. Fusarium oxysporum I.s., predicaginis, witt, disease resistance, Medicago sativa 3914. genes, Ustilago nuda, loose smut, inheritance, Hordeum 4967. Hyphomycetes, use biological control, insecta 1004. myvcoplasma-like organisms, digitonin effects on, tissue culture, Nicotana tabacum 2175. Phomopsis, Diaporthe, Glycine max stem canker 3925. Phytophthora megasperma I.sp. glycinea races, USA, Wisconsin 1130. Plant diseases, relationship, Pseudomonas syringae pv.syringae outer membranes protein composition 7307. plasmids, Agrobacterium rhizogenes, transfer methodology, R factors use 4488. Pseudomonas syringae pv.savastoni, Olea europaea, lavera 5742. Puccinia coronata, Avena sativa, association disease resistance genes 5035. Puccinia coronata, Avena sativa, disease resistance 6610. Puccinia gradia disease resistance 6610. Puccinia gradia disease resistance infection, vits unifera, isolation methodology 4019.
infection, Zea mays, transmission, symptoms, control 5723.
infectivity, association air drying sludges 7195.
infectivity dose, determination, animal models 9841.
isolation, incidence, waste water, survival association wastewater treatment. 1766. isolation, reservoirs, physicochemical properties, biochemical analysis 795. leafroll, Vitis vinifera, cytopathology, histopathology 429. leafspot, Agave sisalana 7698. levels, estuaries, sewage effluents waste disposal effects on 1704. levels, sessuaries, sewage in measuring techniques 5373. Lupinus diseases, association, crop rotation 4985. microorganisms, microbiology, books 8184. morphology, infection, leaves, Acer platanoides, Acer pseudoplatanus 2309. mosaic disease etulogy, Cucumeropsis edulis, isolation, characterization, Ningria 4025. Nigeria 4025 mosaic disease, Telfaina occidentalis, disease resistance 5042. mosaic disease, Triticum, etiology, India 3953. necrosis, Vigna unguiculata, environmental stress, relationship, electrolyte balance 2993 palance 2993
pathogens, pest control, biological control, Insecta 990.
pest control, biological control, Nematocera 1016.
pest control, dispersal, Arthropoda, 989.
plant diseases, books 9094.
plant diseases, conferences 7280. Xanthomonas campestris pv.oryzae, blight, Oryza sativa 1195 Xanthomonas campestris pv.oryzae, Oryza sativa blight 352. Xanthomonas campesure programs, on the state of the state plant diseases, books 9094.

plant diseases, conferences 7280.
plant diseases, conferences 7280.
plant diseases, conferences 7280.
plant diseases, conferences, books 2728.
plant diseases, disease control, repellents, Myzus persicae 459.
plant diseases, disease sorted, agricultural practices, reviews 2978.
plant diseases, disease transmission, Aphididae 1122.
plant diseases, Spermatophyta, pathology, books 8178.
plant diseases, Spermatophyta, pathology, books 8178.
plant diseases, seprematophyta, pathology, books 8178.
plants, detection, recyme-linked immunosorbent assay 1757.
plants, detection, recyme-linked immunosorbent assay, sensitivity 3530.
plants, detection, recyme-linked immunosorbent assay, sensitivity 3530.
plants, disease transmission, Nematoda, association feeding behavior 1121.
proteins, radicative liabelling methodology 1761.
proteins, spectrophotometry, solvents, methodology 8108.
y radiation, inactivation, laboratories, effluents 790.
recovery, drinking water, sewage, surface charge, filters 8096.
reduction, composting, sewage sludge 9538.
replication, inhibitors, plants 3156.
replication, involeosides analogs inhibition 3352.
reservoirs, Fragaria ananassa disease control relationship, Nematoda
1.3-dichloropropene pest control 9479, seed-borne diseases, quality control assays 2968.
sewage sludge, public health, man 7192.
spot, Gramineae, symptoms, vectors, biological properties 1163. Viruses, antigenic characteristics antigenic characteristics, preservation, phosphorous tungstic acid+ammonium molybdate, storage 7226, antigens, detection, enzyme-linked immunosorbent assay methodology 7216, antigens, detection, enzyme-linked immunosorbent assay methodology 7216, antigenicobial activity, interferon 7952, antiviral activity, interferon 7952, antiviral activity, interferon 3355, antiviral activity, interferon 3355, antiviral activity, monolaurin, ± buylated hydroxyanisole, ± sorbic acid, ± methyl hydroxybenzoate 700, antiviral activity, phenytheptatryne 7097, bacteria, insectia 4722, biological control insectia 4721 preservation, phosphorous tungstic acid+ammonium batteria, insecia 4722.

biological control, Insecta 7471.

biological control, Insecta pathogenicity plants, books 9093.

bunchy top, disease transmission, Pentalonia nigronervosa, Musa paradisiaca 7677.

cell culture, bottles rotation 3532. cell culture, journes routen i 352: cell size measuring techniques, Coulter nano-sizer 2646. contamination, serological tests reagents, quality control 5229. culture collections, Mycoplasma contamination, fluorescent probes detection 6293. cytotoxicity, reduction, sewage sludge, wastewater treatment 8950.

```
Viruses, (continued)
surface water contamination, German Dem. Rep. 3477.
tomato bushy stunt virus like, identification, Solanum melongena isolates 8588.
transfer, Chiamydia psittaci culture 9015.
vaccines, genetic engineering 3453.
vaccines production 5282.
vaccines, production, genetic engineering 3452.
water-borne diseases, man, dinnking water 2633.
water-borne diseases, recreation sites, wastewater treatment effects on 9810.
Vlana virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Washingtonia,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       buds rot 1256.
Waste disposal,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       waste disposel,
Egypt, composts 2604,
hospitals wastes, hygiene, inlectious diseases 799,
landfills, methanogenesis 4263,
oil, biodegradation, soil properties 7020,
sewage effluents, estuanes, effects on viruses levels 1704.
Waste disposal sites,
      Visna virus,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    British Isles, anaerobic bacteria phenol biodegradation 3799. 
composts, levels, gram-negative bacteria, Aspergillus furnigatus, endotoxins 5292. 
enterovirus movement, aquifers 5328. 
sewage, fecal coliforms, ground water movement 9814.
                       antibodies, detection, enzyme-linked immunosorbent assay, sheep, goats 2651.
      Visual perception,
man, pathogenesis, leafspot, Dactylis glomerata, Stagonospora arenaria 3101.
      man, pathogenesis, leafspot, Dactylis glomerata, Stagor 
Vitamina, biosynthesis, Pseudomonas thermophila 1978, 
effects on valine production, Micrococcus varians 7286. 
milk, effects on vitamins 4854, 
nutrition, animals, interaction aflatoxicosis 4899. 
starter cultures, yoguri 7591.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sewage, recal culinornis, ground water incoment 30.14.

Waste treatment,
activated sludge, oxidation, sedimentation, effects on 1703.
animal wastes, lagoons, bacteria population dynamics 4434.
animal wastes, microorganisms association biodegradation 2616.
bioreactors, digestion (naneorbic), methodology, characterization 8928.
coffee fermentation, fungi 4432.
composition, association, physicochamical properties, reviews 7191.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    corree termentation, tung. 44.32. composting, association, physicochemical properties, reviews 7191. ethanol fermentation wastes, by-products recovery 9803. fisheries, bioreactors 8930. pollution indicators 2610. overload. effects on, bioreactors 8929. sewage sludge, digestion (aerobic), thermophic microorganisms 8939.
      grapevine yellow speckie disease, disease transmission 3070.

Vitta labrusca,
peach rosette mosaic virus infection, disease control, vectors, Xiphinema
    seach rosette mosaic virus infection, disease control, vectors, Xiphinema americanum 5842.

Vitta vinifera, alfalfa mosaic virus infection 3068 buds, powdery mildew overwintering 1270. closterownus, leaf-roll 3073 dieback, disease control, use, benomyl, USA, Michigan 6881 disease resistance, powdery mildew, cultural conditions 2250. disease resistance, tomato ringspot virus infection 5054. diseases resistance, tomato mingspot virus infection 5054. diseases, fungi, characterization 5026. Eutypa armeniacae infection, isolation, identification 1299 frost1+mildew disease resistance, altrogen metabolism 7688. fruit rot, Botrytis cinerea, dicarboxamides disease control 8639. fruits, aromatic compounds production, role grey mold, Botrytis cinerea, host-parasite interactions, ultrastructure 9402. fruits, Botrytis cinerea ort, agricultural practices effects on pathogenicity, USA, California 7685. Glomus fasciculatus symbiosis, relationship, hyphae structure, biochemic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sewage situage, ungostin Waste water, and st., digestion (anaerobic) 2603. association, bacteria indicator species 797. coal, bacteria, drainage systems, sodium lauryl sulfate, sodium benzoate, inhibition 8713.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Inhibition 8713.
contamination, Bacillus subblis, U.V. radiation disinfection 3472.
digestion (anaerobic), technology, reviews 9801.
disinfection, microbiology, methodology, bibliographies 1698.
films, formation, structure, electron microscopy 7193.
industries, phosphorus treatment, nitrogen removal 5319.
solation, phages, concentration, methodology 2654.
mines, rivers contamination, temperature effects on bacteria iron oxidation 5134.
olives food processing, association, Saccharomyces lipolytica single-cell protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    production 8212.
oxidation, industrial wastes, paints processes 5318.
                   Glomus fasciculatus symbiosis, relationship, hyphae structure, biochemical characteristics 4183.
                 cnaracteristics 4183.
grapevine Bulgarian latent virus infection, symptoms, electron microscopy 3080.
grapevine fanleat virus 1287.
grapevine fanleat virus, detection, enzyme-linked immunosorbent assay 2160.
grapevine fanleat virus infection, detection, enzyme-linked immunosorbent assay 1240.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     oxidation, industrial wastes, paints processes 5318.

ozone, disinfection 5293.

ozone, disinfection 5297.

soil amendment, agricultural practices, microbiology, bibliographies 2607.

viruses isolation, incidence, survival association, wastewater treatment 1766.

Waste water treatment,

cell aggregation, aquatic microorganisms, role extracellular polymers 8059.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Waste water treatment, cell aggregation, aquatic microorganisms, role extracellular polymers 8059. Wastes. 
Cellulase conversion, boreactors, Trichoderma viride enzymatic activity 9172. 
chemicals, activated sludge treatment, bioreactors 9804. 
Citrus, use, Sportorhchum pulverulentum, proteins, production 9131. 
composting, C/N ratios association 4448. 
ethanol fermentation, by-products recovery 9803. 
food, Lactobacillus acidophilus, Saccharomyces cerevisiae, fermentation, antiviral activity 7595. 
hospitals, waste disposal, hygiene, infectious diseases 799. 
microorganisms biomass, quantification, radium adsorption 9828. 
pigs, Spontrichum pulverulentum biomass production 9102. 
use, production, Candida, single-cell protein, ethanol, books 10000. 
whiskey distilleries, fungli mixed culture, protein biosynthesis 15. 
Wastewater treatment, 
activated sludge 5307. 
activated sludge, participation protein solutions, activated sludge, perioticipien feeds on 4441. 
activated sludge, perioticitation 6256. 
activated sludge, sampling methodology, viruses detection 6251. 
aeration tanks, oxygen absorption 4437. 
aeration tanks, oxygen absorption 4437. 
aeration tanks, oxygenation effects on activated sludge 789. 
association, filamentous bacteria development, relationship, activated sludge feeding patterns 3476. 
bacteria.
               grapevine taniear virus infection, detection, enzyme-linked immunosorbent assay 1240, grapevine leaf roll virus infection, disease control, Nematoda vectors 4131. grapevine leaf roll virus detection 3072. grapevine leaf roll virus infection, ribavinin effects on pathogenesis 5066. Gymnosporangium fuscum, haustona penetration 1284. heat treatments, disease control, grapevine leafielad virus, grapevine leaf roll virus, grapevine ven banding virus 224-like particles 5782. leaf-roll, pathogenesis, ultrastructure, virus-like particles 5782. leaves, grapevine fanileaf virus mixed infection 5784. mixed infection, affalfa mosaic virus, ± grapevine fanileaf virus, ± strawberry latent ringspot virus 2178. nepovirus elimination, meristem tip culture 3134. paparasitem, Cuscuta campestris, disease transmission, grapevine fieck virus, grapevine yellow vein virus, grapevine leaf roll virus 6794. Pierce 3 disease, gram-negative bacteria, pathology 3059. Pierce 3 disease, pathogenesis 5027. plant diseases, viruses, identification 1283. Plasmopara viricola, downy mildew, fungicides resistance, measuring techniques 7890.
sap, galls, isolation, Agrobacterium tumefaciens, pathogenicity 5744, stems, oxidation pretreatment, biodegradation rumen microorganisms 2009. stunt, relationship, methyl bromide soil fumigation effects on mycorrhizas 5987. itssue culture, growth Plasmopiara viticola, downy middew 1289. vascular system, Verticillium dahilae infection, isolation 9406. viruses infection, isolation methodology 4019. viruses leafroll, cytopathology, histopathology 429. yellows, isolation, mycoplasma-like organisms 5024. Volcanic sah, soil, stabilization, microorganisms, biodegradation, straw, role 5091. Volcanoes, USA, Washington, environmental impact, effects on nitrogen cycle, USA, Washington, bacteria 5122. Volume,
                     sap, galls, isolation, Agrobacterium tumefaciens, pathogenicity 5744.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              association, filamentous bacteria development, relationship, activated slufeeding patterns 3476
bacteria, metals uptake 5313.
biodegradation, aromatic compounds ozonation effects on 5294.
biofilms, bacteria, population studies 5300.
coal gases, filters, anaerobic microorganisms 8952.
cofflee fermentation, fungl 4452.
conferences, books 9097.
2.4-D biodegradation, glucose association, microorganisms 9266.
dairies, capacity, milk 1701.
dentifrication 4447.
dentifrication, Thiobacillus dentrificans, kinetics 6243.
digestion (anaerobic), bioreactors 8960.
digestion (anaerobic), bioreactors 8960.
digestion (anaerobic), disestion (aerobic), bacteria, survival, association, temperature 2613.
digestion (anaerobic), diogention (anaerobic), diagestion (anaerobic), diagestion (anaerobic), disestion (anae
    Volume
  Volums, association, sediments, suspensive yeasts, association, sediments, suspensive years, session, sediments, suspensive years, such as the sediments of the
                                                                   association, sediments, suspensions, measuring techniques 9089
    Vorlan,
                   treatment, pythium infection, Gramineae 4114.
    Voriex.
                 treatment, Phellinus weirii infection, Pseudotsuga menziesii 545.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            distrilection 1926.
distrilection 1926.
distrilection 1926.
distrilection 1926.
distrilection 1926.
distrilection 1926.
distrilection, Malays purilla, Aspergillus niger 8054.
Enterobacteriaceae, antibiotic resistance, transfer, R factors 1548.
facultative bacteria, ammonia, nitrogen, removal 5331.
filters, poliovirus adsorption, salts effects on 3469.
filters, poliovirus adsorption, salts effects on 3469.
indicator species, aerosols, colinors, Cyanophyta phages 9796.
industrial effluents, breweries, pH effects on 4438.
industrial effluents, dairy industry, bibliographies 1694.
industrial effluents, oil, digestion (anaerobic) 5305.
industrial effluents, puip mills, environmental effects, bibliographies 2608.
industrial effluents, puip mills, environmental effects, bibliographies 2608.
industrial effluents, puip mills, environmental effects, bibliographies 1694.
industrial effluents, puip mills, university, bibliographies 1696.
industrial effluents, purification, Pseudomonas, Bacillus 793.
industrial effluents, textile industry, bibliographies 1696.
industrial wastes, water polition, microbiology 5317.
membrane filtration fouling organisms, bacteria, films characterization 3485.
                 soil fumigation, Fusarium oxysporum f.sp.melonis invasion 5898.
  Warburgia,
  warburgia,
escutierpenes, antifungal activity, Saccharomyces cerevisiae 8791.

Wart disease,
Solanum tuberosum, epidemiology, pathogenesis, Synchytrium endobioticum 8535.
               carrots, effects on microorganisms 5613.
hand, effects on shigeilosis disease spread, man, Bangladesh 5356.
hospitals laundry, water temperature effects on bacteria 3498.
sheep, goats, carcasses, chlorine 6684.
teats, effects on bacteria contamination, milk, cattle 5350.
```

Mastewater treatment, (continued)
methanogenesis, films, digestion (anaerobic) 8957.
methodology, cost-benefit analysis 5320.
microbial pollution, counting methods 3466.
microbiology, bibliographies 5309.
microorganisms anaerobic respiration 5311.
mxed outure, Scenedesmus, oscillatoria, bacteria, phosphorus removal 2615.
models, aerobic conditions 788.
nitriflication 5286.
nitriflying bacteria, denitrification, factors affecting 9797.
nitriflying bacteria, dissolved oxygen effects on continuous culture reacters
1705. Water relations,
Phytophthora cinnamomi infection, Isopogon ceratophyllus, Eucalyptus macrorhyncha, Eucalyptus goniocalyx 3982.
Pisolithus tinctorius, seedlings, Querous velutina 9508. Wastewater treatment, (continued) Water resources, nan, feces bacteria quantification 5322. Water salinity,
effects on microorganisms biodegradation pollutants, aquatic environment 2876. Water sampling, ndicator species, bacteria, enumeration, light effects on 2625 Water springs nitrhying bacteria, dissolved oxygen effects on continuous culture react 1705.

nitrogen removal, books 9995.
nutrients removal, relationship, algae, plants growth 5329.
Oryza sativa, films, formation, role, filtration 4444.
oxidation, books 9092.
oxygen, uptake 4436.
contation, microorganisms disinfection 5324.
petroleum oil and gas industry 6250.
reactors, biological oxygen demand, microorganisms 5310.
reactors, mathematical models 1688.
recreation stes, water-borne diseases, viruses, effects on 9810.
relationship, temperature, poliutants, microorganisms 5330.
Salmonella typhimurium vability 6244.
sewage sludge, digestion (anaerobic) 8055.
studge disinfection, pathogens 9805.
steel industries, activated sludge 5306.
trickling filters, microorganisms 5295.
use, according or the control of bacteria analysis 9815. bacteria analysis 9615.

Water stress,
Arachis hypogaea, effects on Aspergillius flavus infection 5664.

effects on, nitrogen fixation, Medicago sativa 4234.

effects on, nitrogen fixation, nodules respiration, Glycine max 1499,
powdery mildew, Erysiphe graminis f.sp.hordei, roots growth, Hordeum vulgare

3935. 3939.
Zea mays, effects on Aspergillus flavus infection 5664.
Water supplies,
colforms contamination, waterborne diseases epidemiology 8967.
Germany, Fed. Rep., bacteria levels 1716.
hospitals, contamination, Legionella pneumophila 1719.
industries, bacteria biodeterioration, conferences 4756.
microbial rollution, water-borne rifessesse, enidemics, indicator spemicrobial pollution, water-borne diseases, epidemics, indicator species, books wells, microbial pollution, Ivory Coast 3486. Water temperature,
dishwashers, chlorine disinfection 4458 dishwashers, chiorine distritection 4455.
dishwashers, hygiene, disinfection 4455.
hospitals laundry, washing, effects on bacteria 3498.
hot, relationship Legionella pneumophila colonization, hospitals 8972.
Water treatment, whey use, microorganisms anaerobic respiration 532s.

Water,
Where, microorganisms anaerobic respiration 532s.
Water,
products, yeasts, food contamination, effects on antimicrobial agents 240.
Chromobacterium isolation, dod, soil 2041,
Contamination, public health, man 5285.
Content, soil, effects on acetylene reduction conversion factors, comparison,
nitrogen fixation 7005.

disinfection, bacteria contamination, cleaning systems, milking machines 5342,
effects on Bacillus thurnigensis subsp.sreelensis spores viability, biological
control, Aedes aegypti 4713.
effects on, benzylpenicillin production 7148.
enterovirus contamination, filtration methodology 3520.
microorganisms, pollution, ecology 1713.
organic compounds removal, microorganisms+activated carbon 6255.
Oryza sativa irrigated areas, survival, Colletotrichum gloeosponoides
f.sp. aeschynomene 1189.
phages isolation methodology, reviews 2649.
Prunus cerasus, Coccomyces hiemalis infection, effects on pathogenesis 1203.
quality control, microbial pollution 4452.
soil, association, Gaeumannomyces graminis var.tritici take-all, Triticum 491.
sources, association, dentistry equipment, bacteria 5335.
toxicity testing, bioassays, luminous bacteria 3572.
Water activity,
bacteria, spoilage, frankfurters 6667.
effects on, Prunus amygdaiis, fungal flora, seed composition 5803.
Erwinia chrysanthemi, relationship pectate lyase biosynthesis 9185.
growth, Salmonella typhimurium, Staphylococcus aureus, food, mathematical models
8468.
media (culture), liquid culture 3515.
Staphylococcus aureus growth, media solutes 864. Nater treatment,
bacteria, flocculants 9800.
bactena growth, association carbon 8069.
fluoride, fluorosis, dental caries, children 8077.
poly(N-benzyl-4-vinylpyridinium bromide), removal, bacteria, methodology 9046. water uptake, analysis, dry matter, bactena biomass determination 8129.

Citrus jambhiri, vesicular-arbuscular mycorrhizas, Glomus intaradices, effects on 4135. Water-borne diseases, bacteria, pathogens, man, incidence, detection 2640. drinking water, man, bacteria, viruses 2633. gastroenteritis, man, Norwalk agent infection, association swimming, epidemiology 1709. microbial pollution, epidemics, indicator species, water supplies, books 9999. Pseudomonas aeruginosa, otitis externa, man, baths 8070. viruses. recreation sites, wastewater treatment effects on 9810. epidemiology, coliforms contamination, water supplies 8967. Watermark disease. Erwinia salicis, antigens detection, enzyme-linked immunosorbent assay, Salix alba 6919. Watermeion mosaic virus, disease resistance, relationship papaya ringspot virus disease resistance, genetic analysis, Cucumis metuliferus 5778. disease transmission, vectors, Aphididae 4986. ulisease transmission, recurs, ryminidae 1980.
infection, Cucurbita, characterization 4984.
infection, Cucurbita maxima, effects on enzymes activity 9434.
infection, Cucurbita pepp, incidence, prophylaxis, economic importance, Jordan Watermelon mosaic virus 2, host range, vectors, Jordan 1247. Wavelength, light, effects on nodulation, nitrogen fixation, growth, Trifolium repens 9589. 8468.
media (culture), liquid culture 3515.
Staphylococcus aureus growth, media solutes 864.
Water content.
association, fluorescence, corn aflatoxins contamination, assays, USA, South Carolina 9291.
cheese, starter cultures, Streptococcus thermophilus, acid production 8462.
effects on fungi decomposition, wood, Fagus sylvatica 9530.
food, microbiology, methodology 4831.
substrates, effects on Eucalyptus leaf litter biodegradation 153.
Water flow. Waxes, coatings, plant protection, fungi infection, Sorghum bicolor, Zea mays, Triticum aestivum 4071. esters, production. Acinetobacter 2841. effects on soil microorganisms 5924. substrates, enects on Europynan what flow water flow, water flow, roots, gossypium hirsutum, wilt, phymatotrichum omnivorum, effects on 4039. Water hardness, effects on nitrilotriacetic acid biodegradation, activated sludge 2611. effects on nitrilotriacetic acid biodegradation, activated sludge 2612. Water pollution. effects on aflatoxins food contamination, pecans, USA 6672.
effects on, fungicides, use, prediction, late blight, Phytophthora infestans,
Solanum tuberosum 8622.
epidemiology, downy mildew, Pseudoperonospora humuli, Humulus humuli 3087.
relationship, Bothylis squamosa condiar release, Allum cepa blight 5771.
relationship, incidence, Puccinia polysora rust, Zea mays, USA, Indiana 6765.
satelliftes, monitoring rust disease spread, Gramineae 1166.
USA, Kentucky, relationship, Phomopsis infection, Glycine max seeds 6734. Water pollution, effects on fungi fungi 8977 effects on fungi fungi 8977.
Iran, pollution indicators, Pisces intestinal microbiology 5317.
Iran, pollution indicators, Pisces intestinal microflora bacteria 1725.
Leptospira icterohemorrhagiae, rivers, epidemiology, infection, man 6266.
microbial pontamination, pollution detection methodology, fecal microflora, membrane filtration 2626.
microbial pollution, fecas, Brazil 8971.
microbial pollution, pollution detection, enterovirus, Perna canaliculus 3516.
phytoplankton, aquaculture, association, Crassostrea gigas, food contamination 2924. Web blight, Refittlesky, featurestapp, Frankopsis interaction, cayother max seems or 3-4. Web blight, Rhizoctonia solani, mulches disease cantrol, Glycine max 5059. Rhizoctonia solani, mulches disease control, Phaseolus vulgaris 5050. Thanatephorus cucumeris, Phaseolus vulgaris, epidemiology, Costa Rica 9325. Weed control. Ged control, Aeschynomene virginica, Oryza sativa, biological control, Colletotrichum gloeosporioides f.sp.aeschynomene 6630. Alternaria cassiae, seedling blight, Cassia obtusifolia, Cassia occidentalis, Crotolaria spectabilis 1286. Biological control, Colletotrichum gloeosporioides, Hakea sericea, field trials 9408. 2924.
sowage outfalls, sediments, enterovirus, Streptococcus, coliforms 796. toxicity testing, bacteria 6241.
Water potential, effects on pathogenicity, Fusarium culmorum infection, Triticum 1149. Pisolithus inticorius, seedlings, Quercus velutina 9508. soil, effects on, Phytophthora parasifica var.nicotianae, infection, Nicotiana tabacum 3939. 9408.

Biological control, Colletotrichum maivarum, Sida spinosa 1285.

biological control, pathogens, books 8183.

biological control, plant diseases, pathogens, developing countries 7472.

Convolvulus curvensis, biological control, fungi, surveys 414.

Kuehneola uredinis leaf rust, Rubus, biological control, USA, Hawaii 9410. tabacum 9393.
soil, growth, Pythium ultimum, population dynamics 4228.
Water purification,
methodology, microorganisms 1714.
Water quality,
bacteria contamination, association otitis externa, epidemiology, man 2630.
bioassays, reviews 2602.
microbial polution, pollution levels 1721.
surface water, streams, environmental impact, cattle, grazing, USA, Colorado
ag73. Weeds, association Hydrangea macrophylla, tornato spotted wilt virus detection 5016. Convolvulaceae, roots, susceptibility, fungi infection 9394. infection, association, distribution, tobacco rattle virus, potato virus X 1244. infection, asse scrub typhus, diagnosis, man 9964.

Wellemia sebi,
biodegradation, fish products preservation 2045. wastewater treatment, microbiology, environmental effects, bibliographies 2606.

Wells,

bells, incrobial pollution 2623. iron-oxidizing bacteria contamination 3483. iron-oxidizing bacteria contamination 3483. microbial pollution, lvory Coast 3486. microbial pollution, public health, man, coliforms, Nigeria 8067. sulfate-reducing bacteria contamination 3488. Wet bubble disease, Mycogone permiciosa, prochloraz, disease control, Basidiomycetes 6824.

Wetlands, pasture, soil microorganisms, biochemical characteristics, soils (loam) 2337

Abies concolor, inhibition, Heterobasidion annosum 9517. bacteria, Abies 6923.

bacteria, gas production, Ulmus americana 2323. Ulmus americana, etiology, bacteria species 8657

Wheat,

Wheat, gluten, storage conditions, biodegradation, microorganisms 2915. lysine, +microorganisms production lysine, nutritive value, rats 5832. Penicialium verrucosum var.cyclopium, ochratoxin A biosynthesis 2062. post-harvest decay, fungi, factors affecting 4054. post-harvest decay, preservatives antifungal activity 441. storage, food contamination, Aspergillus 443. Wheat dwarf virus, infection, Graminaea 2120.

wheat dwarf virus,
infection, Gramineae 2120.
Wheat mosalc virus,
infection, Triticum aestivum, disease resistance, genetic analysis 2240,
infection, Triticum aestivum, soil fumigation effects on 9499.
structural proteins, molecular weight, infection, cytology, Triticum aestivum,
Panicum miliacerum 2117.

vectors, Polymyxa graminis ultrastructure, Triticum aestivum soil-borne diseases

Wheat spindle streak mosaic virus, infection, Triticum aestivum, detection, immunoelectron microscopy 9353. Wheat streak mosaic virus, detection, immunodiffusion, enzyme-linked immunosorbent assay, Triticum aestivum

6757

Triticum aestivum, infection, association, protein composition 6779.

Triticum aestivum, infection, association, protein composition 6779.

Whey,
Brevibacterium lactofermentum, Escherichia coli, amino acide production 3655,
2.3-butylene glycol production. Bacillus polymyxa, Streptococcus faecalis 1040.
cheese, conversion, single-cell protein production, yeasts 9286.
cheese, digestion (aneerobic), chemicals flocoulants effects on 9809.
cheese, trace elements effects on Candida intermedia 3817.

ethanol production, microorganisms 3762.
fermentation, Aspergillus niger, citric acid production 8196.
fermenters, fungal flora 3844.
lactose hydrolysis, B-D-galactosidase 8471.
media (culture), Lactobacillus acidophilus 8146.
production, single cell protein, ethanol, Kluyveromyces fragilis, Kluyveromyces

media (curure), Lactobacillus acioophilus 8 140. production, single cell protein, ethanol, Kluyveromyces fragilis, Kluyveromyces bulgaricus 4732. proteins, effects on yogurt, Streptococcus thermophilus, Lactobacillus helveticus 4813.

4013.
Soybean milk, carbon sources, Propionibacterium freudenreichii subsp.shermanii, cyanocobalariin production 5565
Streptococcus phages, viability 4806.
use, wastewater treatment, microorganisms anaerobic respiration 5325.
utilization, Candida pseudotropicalis, production, biomass, β-D-galactosidase 8307.

distilleries wastes, fungi mixed culture, protein biosynthesis 15.

White clover mosalc virus,
strains, physicochemical properties, host range 2995.
Trifolium pratense, Trifolium repens, disease resistance 331.

White leaf disease,
cucumber mosaic virus, RNA, relationship, infectivity, Lycopersicon esculentum
2195.

2199.
Cynodon dactylon, tiamulin treatment 510.
Lycopersicon esculentum, role, cucumber mosaic virus, satellite RNA 1292.
virus-like particles, etiology, Oryza sativa 8556.
White-like podd, Erysiphe cichoracearum, disease resistance, Nicotiana tabacum 4091.
Nicotiana tabacum, disease resistance, Erysiphe cichoracearum 4074:
Sclerotinia sclerotiorum, disease resistance, plant breeding, Phaseolus 1365.
Sclerotinia sclerotiorum, Phaseolus, USA 4940.

Scierorunia scieronorum, Phasaoius, USA 4940.

White rot,
Allium cepa, seed treatments, biological control, Bacillus subtilis:±
fungicides 4103.

Allium cepa, seeds γ-radiation effects on incidence 1426.
Botryosphaeria dothidea, pathogenicity, Malus pumila 5739.

Conclus versicolor, pruning wounds, disease control, fungicides, Malus pumila

6873 development, Botryosphaeria dothidea, Malus, association, fructose content, pH

development, Botryosphaeria dothidea, Malus, association, fructose content, pH 4975.
disease control, Bacillus sublitis seed treatments, Allium cepa 5848.
Inonotus dryophilus, decay association, Quercus alba, Quercus macrocarpa 5860.
leaf litter decomposition, Abies alba 6906.
Sclerotium cepivorum, Allium, Bacillus subtilis, use, biological control 6592.
Sclerotium cepivorum, lipid composition, Allium cepi 5756.
Sclerotium cepivorum, lipid composition, Allium cepa 5756.
Sclerotium cepivorum, pid composition, Allium cepa 5760.
Sclerotium cepivorum, pathology, disease control, Allium cepa, reviews 1260.
wood supports, coal mines 6934.
White rust,
resistance, Brassica juncea, phenols, sugars concentration 5769.

resistance, Brassica juncea, phenols, sugars concentration 5769. Spinacea oleracea disease control, metalaxyl+chlorothalonii treatment 5064.

Wildfire, Nicotiana disease resistance, plant breeding 1339.

Arachis hypogaea, Verticillium, metham sodium disease control 1411.
Bursaphelenchus xylophilus, Pirus, disease control, pesticides uptake 5877.
Chrysanthemum morifolium disease resistance, Fusarium oxysporum i.sp.chrysanthemi

inoculation 4999. Cocos nucifera 7681

Cocos nucifera, pathogenesis, mycoplasma-like organisms 8567.

Wilt, (continued)

Cocos nucifera roots, pathogenesis 1227.

Corynebacterium insidiosum, amino acids metabolism, Medicago sativa 3010.

Corynebacterium insidiosum, Verticillium albo-atrum, disease resistance assays,

Medicago sativa 4063.

Medicago sativa 4063.

Cucumis melio, Fusarium oxysporum, symptoms 2214.

Cucumis sativus, disease resistance, pathogens induction 2262.

Cuminum cyminum, etiology, Fusarium equiseth 1300.

Cyphomandra betacea, disease resistance 1384.

Erwinia stewarhi, disease rasistance, plant breeding, Zea mays 1346.

Exacum affine, Nectria haematococca infection 1262.

Fusarium, Lycopersicon esculentum, Citrullus vulgans, disease control, use, antanonists 1354. antagonists 1354

Fusarum oxysporum infection, disease resistance, screening, Giycine max 1372. Fusarum oxysporum f.sp.chrysanthemi, Fusarum oxysporum f.sp.lini, media (culture), organic compounds, effects on 4040. Fusarum oxysporum f.sp.chrysanthemi, inoculation, pathogenesis, Chrysanthemum morifolium 5764.

morriollum 5764.

Fusarium oxysporum f.sp.ciceri, asymptomatic infection, Cajanus cajan, Lens esculentus, Pisum sativum 4938.

Fusarium oxysporum f.sp.ciceri, disease resistance, inheritance, Cicer arietinum

4062

Aug.2.

Fusanium oxysporum f.sp.cucumerinum, Cucumis sativus, disease resistance induction 465.

Fusanium oxysporum f.sp.cucumerinum, Cucumis sativus, incidence 9415.

Fusanium oxysporum f.sp.fatshederae, Fatshederae izezi 6802.

Fusanium oxysporum f.sp.fatshederae, Fatshederae izezi 6802.

Fusanium oxysporum f.sp.lupini, disease resistance, Lupinus albus 9461.

Fusanium oxysporum f.sp.lycopersici, cytopathology, Lycopersicon esculentum 3088.

Fusanium oxysporum f.sp.lycopersici, integrated control, intrate t-calcium cytoporaticon esculentum 4107.

Fusanium oxysporum f.sp.lycopersici, integrated control, benomyl+nitrate+calcium cytoporaticon esculentum 4107.

Fusanium oxysporum f.sp.lycopersici, interaction Melordogyne javanica, Lycopersicon esculentum 4107.

Fusanium oxysporum f.sp.lycopersici, interaction Melordogyne javanica, Lycopersicon esculentum 307.

Fusanium oxysporum f.sp.lycopersici, interaction seculentum, nitrogen nutrition effects on f.sp.lycopersici, p.sp.dognis, soil moisture, effects on, disease

errects on 411.
Fusarium oxysporum f.sp.medicaginis, soil moisture, effects on, disease resistance, Medicago sativa 4097.
Fusarium oxysporum f.sp.medicaginis, virulence, disease resistance, Medicago sativa 3914.
Fusarium oxysporum f.sp.niveum, inoculum, effects on, disease resistance,

rusarium oxysporum f.sp.niveum, inoculum, enects on, cisease resistance, Citrullus lanatus 5774. Fusarium oxysporum f.sp.pisi, interspecific interactions Pratylenchus penetrans, Pisum sativum 1133. Fusarium oxysporum f.sp.pisi, Pisum sativum, disease resistance, electrophoresis

4065 Fusarium oxysporum f.sp.vasinfectum, Abelmoschus esculentus, disease resistance

7740. Fusarium oxysporum f.sp.vasinfectum, Gossypium hirsutum, side-effects, herbicides 3145.

3145.

Fusarium oxysporum f.sp.vasinfectum, solar radiation, soil temperature, effects on, Gossypium barbadense, Gossypium hirsutum, yield 8606.

Fusarium oxysporum f.sp.vasinfectum+ Meloidogyne incognita acrita infection, disease resistance, Gossypium hirsutum 7732.

Fusarium solari, Pisum 329.

Fusarium udum, disease resistance, screening, Cajanus cajan 1367.

Fusarium udum, disease transmission, Isoptera, Cajanus cajan 2987.

Fusarium, Verticilium dahilae, interaction, Erwinia carotovora, black leg,

reflects on, Solanum tuberosum 1251: Gossypium, association melanins deficient mutant, complementation genetic analysis, gene mapping, Verticillium dahliae 6796. Gossypium barbadense, Fusarium oxysporum I.sp.vasinfectum, dispersal, Israel 6817.

6817.
Gossypium hirsutum, mathematical models, plants growth relationship 2134.
Gossypium hirsutum seeds, Fusarium oxysporum f.sp.vasinfectum, pathogenesis 4991.
Grammeae, bacteria pathogenetispecificity 359.
Lotus comicutatus. Pseudomonas viridiflava 6744.
Lycopersicon esculentum, disease resistance 1380.
Lycopersicon esculentum, Pseudomonas solanacearum, grafting, disease resistance 3130.
3130.

Lycopersicon esculentum, Pseudomonas solanacearum survival, USA, North Carolina soil 8675.

soil 8675. Medicago sativa, disease resistance, inheritance 6862. Medicago sativa, disease resistance, inheritance 6862. Memordica charantia, pathogenicity, Fusarium oxysporum f.sp.momordicae 3093. phymatotrichum omnivorum, effects on, gossyplum hirsutum, roots, water flow 4039. Phytophthora drechsleri, Cucurbita, Cucurmis 2210. Pierce's disease bacteria, seedlings, Citrus jambhin 392. Pseudomonas solanacearum, disease resistance, Solanum tuberosum, biological control 5833

Pseudomonas solanacearum, hypersensitive response, agglutinins, Solanum tuberosum

Pseudomonas solanacearum, Lycopersicon pimpinellifolium, disease resistance 6791. Pseudomonas solanacearum, vertical distribution, soil, Lycopersicon esculentum

Pseudomonas solanacearum, Xanthomonas campestris pv.pelargonii, susceptibility, Pseudomonas solanacearum, Aantronionas campesiris pv.peialgoniii, suscepiuliii Pelargoniim hortorum 5012. Quercus, epidemiology, disease spread 1462. Rhizoctonia solani, Verticiliium albo-atrum, rhizosphere microorganisms, Solanum tuberosum, insecticides effects on 1512.

tuberosum, insecuciose sirieus oni 1912. shoots, Erwinia amylovora amylovorin, host specificity, Cotoneaster pannosa, spiraea vanhouttei, Malus pumila 9371. Solanaceae, Pseudomonas solanacearum infection, host range 2232. Verticillium albo-atrum, defense mechanisms, enzymes, Lycopersicon esculentum

4077. Verticillium albo-atrum, effects on, Spodoptera eridania, growth, feeding.

Verticillium albo-atrum, effects on, Spodoptera endania, grown, feeding, Medicago sativa 4943.

Verticillium albo-atrum, epidemiology, Medicago sativa, USA, Myoming 2123.

Verticillium albo-atrum, Medicago sativa, India 4941.

Verticillium albo-atrum, pathogenicity, genetic analysis, Lycopersicon esculentum, Medicago sativa 3049.

Verticillium dahilae, disease resistance, plant breeding, seedlings, Lycopersicon esculentum 5045.

Verticillium dahilae, disease resistance, Solanum melongena cultivars comparison 6853

Picea engelmannii, brown rot decay 6936.
Pinus, fungicides disease control, stain 5882.
Pinus leucodermis, Basidiomycetes, new records, Yugoslavia 7778.
Pinus leucodermis, Soli microorganisms biodegradation, land disposal, reviews 5985.
Pseudotsuga menziesii, antifungal agents fumigants, disease control, post-harvest decay 1468. Wood, (continued) Wilt, (continued) e, Fusarium oxysporum f.sp.vasınfectum, disease resistance, Gossypium 4086. Verticillium dahliae, interaction pectin-degrading bacteria, Fusarium, Amoracia rusticana 1253 Verticillium dahliae, Lycopersicon esculentum cultivars, disease resistance 5043. Verticillium dahliae, proteins lipopolysaccharides complex characterization 1246. Verticillium dahliae, Talaromyces fiavus biological control, Solanum melongena geray 1406. pulp, hydrolysis, Trichoderma reesei cellulase 9256. Quercus, Pinus, extracts, inhibition, Hyphomycetes, growth, spore germination 139U. Verticillium, disease resistance, Medicago sativa plant breeding 7669. Verticillium, incidence, Persea americana, Chile 5737. Verticillium, Solanum melongena, mulches effects on pathogenicity, yield 476. Verticillium, susceptibility, Gossypium hirsutum, relationship, radicle exudates, +chilling 4030. Xanthomonas oryzae, soii pH, Oryza sativa 8545. 4180.
resistance, fungi biodegradation 5591.
supports, brown rot, white rot, coal mines 6934.
volatiles, decay fungi chemotropism association 3765.
Woodchuck hepatitis Virus,
detection, hepatitis by rus,
detection, hepatitis By rus, antigens, antibodies cross-reactivity use, radioimmunoassay 9861 Wind. disease spread, Peronospora tabacina, spores release, blue mold, Nicotiana tabacum 4995. velocity, effects on, enumeration, airborne microorganisms, fungi 1813. Wind barriers, Trichophyton ajelloi, biodegradation, agrochemicals, effects on 5593. Wort, fermentation, atmospheric pressure effects on, Saccharomyces cerevisiae 9229. fermentation, Saccharomyces uvarum, sulfur dioxide formation, dissolved oxygen effects on 7518. trees, fungi infection, distribution 4175. coloration, yeasts new records, chemical properties, mutations effects on 7511.

fermentation, media (selective), Saccharomyces cerevisiae 8403.
fermentation residues, Saccharomyces torage, biomass chemical composition 7512.

Wound healing, fermentation, role, Leuconostoc cenos, Pediococcus, pH 2867.
fermentation, Saccharomyces cerevisiae, foaming assays 3752.
fermentation, Saccharomyces cerevisiae, interaction Leuconostoc cenos 4742
fermentation, Saccharomyces cerevisiae interaction Leuconostoc cenos 4742
formentation, Saccharomyces cerevisiae interaction Leuconostoc cenos 4742
formentation, Saccharomyces cerevisiae, soams, protein composition 3754.

a cladosportion susceptibility, respectively. media (culture), yeasts, fungi 2714. nutrient requirements, Saccharomyces uvarum brewing, ethanol levels 7516. Alternaria solani, temperature, relative humidity, effects on, solanum tuberosum Daucus carota, fulcarindiol, 6-methoxymellein, antifungal activity, Cladosporium cladosporioides 4078. susceptibility, rot, Erwinia carotovora subsp.carotovora, Solanum tuberosum 3062. Wound infection, Chondrostereum purpureum, disease control, fungicides+paints, Prunus armeniaca, Prunus avum 8629. Iungl, Picea ables, disease resistance 4176. fermentation, Saccharomyces, role sterols 4743.

fermentation sediments, nutrient sources, Candida, single-cell protein production 5628 Penicillium digitatum, citrus, post-harvest decay resistance 5802.

Wounding,
Echinodontium tinctorium, incidence, Abres concolor 546. fermentation, temperature effects on 7531 fermentation, use, cell culture, Leuconostoc oenos 4741. fermentation, yeasts pure culture, hybridization selection, sulfur dioxide tolerance 147. Wounds, tolerance 147.
flavor, yeasts alcoholic fermentation, Banksia integrifolia berries oils composition effects on 6639.
flood quality, yeasts culture effects on 1050.
Leuconostoc oenos, malolactic fermentation, solids effects on 3757.
microffora, Saccharomyces cerevisiae 3758.
preservatives, use sorbic acid, formation off flavor 7612.
production, analyzers 9234.
production, fermentation, books 905.
production, fermentation, books 905.
production, Saccharomyces cerevisiae selection association selection 3759.
production, Saccharomyces, characterization 5568.
production, yeasts, hybridization, pure culture 140.
pH+sultur dioxide, effects on, Leuconostoc oenos, fermentation 3761.
sterilization, dimethyl dicarbonate fungicidal activity, Saccharomyces cerevisiae 2868. Hordeum vulgare, ethylene production, Drechslera graminea infection 1183. pruning, microorganisms disease control, fungicides treatment 7767. X-Ray crystallography, albocycline structure 3441. Chalara microspora cytochalasin M 1959. giyoeraidehyde-phosphate dehydrogenase structure, Bacillus coagulans 72. inorganic pyrophosphatase, yeasts 47. iron superoxide dismutase quaternary structure, Escherichia coli 6537. iron superoxide dismutase quaternary structure, Pseudomonas ovalis 6561. mycinolide IV stereochemistry 1652. phosphor-2-keto-3-deoxy-gluconate aidolase structure, Pseudomonas putida 2791. phosphoribosyl-anthranilate isomerase indole-3-glycerol-phosphate synthase, Escherichia coli 960. zooo. sterilization, filtration, methodology 3861. storage, atmospheric conditions, microorganisms growth 4877. storage, lactic acid bacteria incidence, ethanol fermentation 9243. yeasts fermentation 4733. priosprioriousys-antifarinatis isomeriase indore-3-giycertri-priospriate syrtin Escherichia coli 960. structure, dethio-tetra(methylthio)chetomin, Chaetomium globosum 2576. structure, milbemycins 9792. transketolase, Saccharomyces cerevisiae 6551. Winesa Servillation - 17:52.

Winesa Servillation, microorganisms contamination source 258.

bottles sterilization, microorganisms contamination source 258.

bottles sterilization, microorganisms contamination 9286.

wisteria vein mosaic virus,
infection, cytology, Pisum sativum 2164.

Witches' broom,
Crinipellis perniciosa, Theobroma cacaco, histopathology 398.

mycoplasma-like organisms, incidence, Cajanus cajan, USA, Florida, association,
rhabdovirus infection 4945.

mycoplasma-like organisms, promoea batatas, disease transmission, Orosius
iotophagorum ryukyuensis, Solomon I. 9424.

mycoplasma-like organisms, oubreaks, Rosa 5786.

Wollnelia succinogenes,
intrite reductase (NAD(P)H), punfication, characterization 9166.

Wood, Wineries X-Ray diffraction, pathogenicity, Hordeum vulgare powdery mildew 6775. porins, Escherichia coli 6380. porns, Escheroria coli 6380.

**Nay scattering,
isoamylase structure, Pseudomonas 964.
malate dehydrogenase, Halobacterium marismortui 931.
phosphoglycerate kinase structure, ATP, 3-phosphoglyceric acid binding effects
on, yeasts 7356. tryptophan synthase, Escherichia coli 1865. Xanthine, Streptomyces viridiviolaceus, utilization, biodegradation 5602. Streptomyces viridiviolaceus, utilization, biodegradation 5602.

Xanthine oxidase,
association, oxygen, susceptibility, Legionella pneumophila 2429.
Enterobacter, phosphorus bioassays 5413.

Xanthium pensylvanicum,
host plants, Sclerotinia, virulence 5753.

Xanthomegnin,
Penicillium viridicatum, isolation, purification, high-pressure liquid chromatography 7264. nitrite reductase (NAD(P)H), purfication, characterization 9166.

Wood,
acids, hydrolysates, ethanol fermentation, Saccharomyces cerevisiae 4734.
biodegradation, biological activity, soil microorganisms, forests, Canada 6893.
cell walls, biodegradation, bacteria, aquatic environment 8426.
cellulose biodegradation, fungi effects on cellulolytic microorganisms 2005.
cellulose hydrolysis, Trichoderma, ethanol production, Zymomonas mobilis,
Saccharomyces cerevisiae 3750.
Chamaceyparis nootkatensis, decay, Gloeophyllum trabeum, Poria placenta 3177.
chromated copper arsonate treatment, fungi biodegradation 3766.
decay, association, Tsuga heterophylla, ectomycorrhizas symbiosis, relationship,
survival 3164. chromatography 7264.

Xanthomonas,
plants pathogens, preservation, gels+cold storage 2688,
production, deacetoxycephalosporin C, isolation 1609.

Xanthomonas beiticols,
leafspot, Piper belte, disease resistance 4023.

Xanthomonas campestris,
antibacterial activity, Gossypium hirsutum phytoalexins 460,
blight, Vigna unguiculata comparison Phaseolus vulgaris, pathogenesis 340,
carbon sources effects on secretion, polymethyl galacturonase, polygalacturonase trans-eliminase 5508,
disease resistance, leaves, mesonbult Citrus sinensis. Citrus limonia 456. survival 3164, decay bacteria, nutrient requirements 3782. decay, Basidiomycetes 3768. decay hung, ecosystem dynamics, forests 8646. decay fungi, ecosystem dynamics, forests 8646. decay, chart rot, sap rot, oxygen, carbon dioxide effects on 5084. decay, C/N ratios, Picea strichensis, Tsuga heterophylla, forests 527. decay, Poria placenta, Gloeophyllum trabeum, pick test assays 4182. decay, Poria placenta, indicators, compression pressure tolerance, Pseudotsuga menziesii 6935. polygalacturonase trans-eliminase 5508.
disease resistance, leaves, mesophyli, Citrus sinensis, Citrus limonia 456.
disease spread, rhizosphere, roots, Cucumis sativus 4997.
infection, Gossypium hirsutum, leaves uttrastructure 417.
infection, Gossypium hirsutum, leaves uttrastructure 418.
infection, Gramineae, witt, pathogenicify, host specificity 359.
infection, Gramineae, witt, pathogenicify, host specificity 359.
infection, piper nigrum seeds, survival 412.
leaf biight, tiology, Zizania aquatica 5702.
leaf biight, Oryza sativa, phenylalanine ammonia-lyase, tyrosine ammonia-lyase, levels 384.
leafstoot. Piper nigrum, relative humidity effects on pathogenicity 410. interiziesi 0933.
decay, role melanins, Phellinus weirii 6933.
decomposition, bacteria, streams sediments 2885.
decomposition, spatial distribution, cellulolytic microorganisms, stands, Fagus
grandfolia, Acer saccharum 6891. grantillota, Noti accusation of the dependence of the control of t levels 384.

leafspot, Piper nigrum, relative humidity effects on pathogenicity 410.
leafspot, susceptibility, magnesium levels, leaves, Capsicum 5841.
media (culture), extracellular polymers, polysaccharides biosynthesis 2682.
Xanthomonas campestris pv. evsicatoria,
copper sensitivity association disease control, spot, Piper nigrum 6878.
Xanthomonas campestris pv.arecae,
leaf stripe, Areca catechu, epidemiology 8568.
Xanthomonas campestris pv.campestris,
media (isolation), soil 6309,
membrane proteins characterization, taxomomic significance 5471. turigi infeciani, burning effects on public fleating, anticome microorganisms 4454. hydrolysis, cellulalytic enzymes adsorption, pH effects on 7548. Lindondron tulpifera, Pinus, storage, disease control, sap ptain 9529. mesquite, Candida utilis +Pseudomonas, cattle 4866.

mycorrhizas, biodegradation, use, inoculum, Tsuga heterophylla 529.

Xanthomonas campestris pv.cerealis,
leaf blight, etiology, Zizania aquatica 5702.
Xanthomonas campestris pv.ctirt,
canker, pathology, Citrus 5741,
detection, enzyme-linked immunosorbent assay 5381.
Xanthomonas campestris pv.cucuribitae,
leafspot, Cucuriis sativus 1305.
Xanthomonas campestris pv.malvacearum,
blight, Gossypium hirsutum, cotyledons, membrane potential, relationship, ATP
3055.
blight, Bossypium hirsutum, cotyledons, membrane potential, relationship, ATP
3055. 3055

Bilght, hypersensitive response, Gossypium hirsutum 3129.

Xanthomonas campestria pv. manihotia, infection, Manihot seculenta, disease resistance 2230.

Xanthomonas campestria pv. oryzae, bilght, Oryza sativa disease resistance inheritance 9364.

bilght, Oryza sativa, disease resistance inheritance 9364.

bilght, Oryza sativa, disease resistance inheritance 9364.

bilght, Oryza sativa, disease resistance inheritance 9365.

leaf bilght susceptibility, nutrients effects on, Oryza sativa 6750.

virulence, Oryza sativa bilght 352.

Xanthomonas campestris pv.plaagonli,

wilt, susceptibility, Pelargonium hortorum 5012.

Xanthomonas campestris pv.plaaseoll,

antibacterial activity, phytoalexins, defense mechanisms, Phaseolus vulgaris

1383. blight, Phaseolus vulgaris, disease control 9462. blight, Phaseolus vulgaris disease resistance, tropical environments 5052. seed-borne diseases, detection, immunofluorescence, Phaseolus vulgaris 5800. Xanthomonas campestris pv.pruni, media (selective) 5398. Xanthomonas campestris pv.translucens, leaf blight, etiology, Zizania aquatica 5702. Xanthomonas campestris pv.vesicatoria, scab, pathology, Capsicum annuum 8575. spot, Capsicum annuum 7696. leafspot, Capsicum annuum, disease resistance 7742.

Xanthomonas campestris pv.vignicola, infection, Vigna unguiculata, disease resistance 9471. isolation, seeds, Vigna unguiculata 4944.

Xanthomonas campestris pv.zizaniae, leaf blight, etiology, Zizania aquatica 5702.

Xanthomonas citri, immobilized cells, use, cephalexin synthesis 9749.

Xanthomonas malvacearum, blight, disease resistance, genetic analysis, Gossypium hirsutum 2254.

Xanthomonas manlhot, blight, Manihot esculenta, age effects on incidence, development 4016.

Xanthomonas oryzae, blight. Manihot esculenta, age effects on incidence, development 4016. Xanthomonas oryzae,
Xanthomonas oryzae,
infection, Oryza sativa, seed treatments, triphenytlin chloride 2293.
leaf blight, Oryza sativa, disease resistance, germplasm analysis 5811.
phytotoxins, purification, effects on, Oryza sativa, leaves 7640.
wilt, soil ph. Oryza sativa 8545.
Xanthomonas phaseoll, leafspot, bleaching powder, antibacterial activity, Vigna radiata 2289.
leafspot, disease control, fungicides, antibiotics, Vigna radiata 509.
pathogenicity, Phaseolus vulgaris, sulfur dioxide effects on 334.
Xanthomonas vesicatoria,
factumycin antibacterial activity 3436.
races, pathogenicity, spot, Capsicum annuum 1309.
Xanthotoxin, Xanthotoxin, induction, Petroselium hortense cell culture, fungi infection 5765. Induction. Petroselium hortense cell curture, rungi microsi 370.

Xenoblotics,
biodegradation, aquatic environment, microenvironments, microorganisms 4762.
biodegradation, microorganisms, tractors affecting 3788.
conversion, microorganisms, models, ecosystem dynamics 6961.
Pseudomonas putida, biodegradation, dehalogenase 2884.

Xenoriabdus utivity, Nematoda, bacteria, fungi 3372.

Xenoriabdus nematophilus,
antibiotics activity, Nematoda, bacteria, fungi 3372.

Xeroderma pigmentosum,
cell lines, methodology, SV40 transformation use 9868. Xeroderma pigmentosum, cell lines, methodology, SV40 transformation use 9868.

Xerophyllum tenax, Abes Issicocarpa, habitat, relationship, Cronartium coleosporioides, blister rust, Pinus contorta, USA, Idaho 5862.

Xerula longlipes, biosynthesis, strobilurin C, oudemansin B, structure, antifungal activity 8042.

Xerula melanotricha, biosynthesis, strobilurin C, oudemansin B, structure, antifungal activity 8042.

Xibhiae giadfus. Xiphilas gladius, ishery products, packaging, contamination, Lactobacillus, Pseudomonas, chemistry 4808. Applinema, vectors, tomato ringspot virus necrosis, decline, Malus domestica 4978. Xiphinema americanum, disease transmission, tomato ringspot virus, orchards 2142, transmission, Taraxacum officinale, tomato ringspot virus 8595, vectors, peach rosette mosaic virus infection, Vitts labrusca, disease control \$442. Xiphinema, S842.

Xiphinema diversicaudatum, disease transmission, arabis mosaic virus, disease control, furnigation, Lilium tigrinum 6871.

Xiphinema riveal, disease transmission, tomato ringspot virus, orchards 2142.

Xylan, hipotervirusians productions of the control o biodegradation, Bacillus, Cellulomonas, Streptomyces 1060, biodegradation, Bacteroides endo-1,3-β-D-xylanase, intestinal microflora, man 2022. Cellulomonas, 1,3-β-D-xylanohydrolase, biodegradation 154. Cellulomonas, 1,3-p-2-xylarion/yulolase, bodegradation/ Xylanase, biosynthesis, Bacillus, Cellulomonas, Streptomyces 1060. 1,3-p-2-Xylanohydrolase, Cellulomonas, xylan biodegradation 154. Xylaria oxyacanthee, new records, decay, Crataegus monogyna fruits 1057.

Citrus sinensis, blight, blocking 8565. dysfunction, Ulmus americana, Dutch elm disease, Ceratocystis ulmi 8640. transport, haustoria, Atkinsonia ligustrina, host-pathogen interactions, Loranthaceae 5790. bactenostasis, bacteria oral cavity isolates 8782. chewing gum, dental plaque prevention, man 817. D-Xylo-aldonate dehydratase, purification, characterization, Pseudomonas 6441. pulmeation, characteristics, Yulose, Sylvises, Pachysolen tannophilus 135. termentation, ethanol biosynthesis, Lactobacillus vaccinostercus sp.nov., calcium alginate immobilized cells 4555. nitrate, effects on, Pachysolen tannophilus, fermentation 7534. Pachysolen tannophilus, fermentation 7532. P-Xylose, D-Xylose, fermentation, Candida shehatae, ethanol production 8407.

D-Xylose dehydrogenase, purification, characterization, Pseudomonas 4630.

Yeldase Jeomarase, purification, characterization, Presucomonas Aosu.

Yylose isomerase,
Arthrobacter, immobilized enzyme, use, feeds syrups production, germanic acid
effects on glucose fructose equilibrium 4864.
extraction, methodology comparison, Streptomyces nigrificans 3570.
Streptomyces fradiae, Bacillus subthiis, immobilization, use, Sepharose-6MB 9147.
D-Yylose-binding protein,
purification, characterization, periplasmic space, Escherichia coli 6376. rams, post-harvest decay, Botryodiplodia theobroma, spores, vectors, Mus musculus domesticus, Periplaneta americana, Zonecerus varigatus 442. Yarrowia Ilpolytica, petroleum biodegradation, single-cell protein production 5992. petroleum biodegradation, single-cell protein production 5992.

Yesats,
acetyl-CoA carboxylase, purification, characterization 8223.
acidity, heat inactivation, fruit juices 5636.
additives, flavor, champagne 5572.
aeration, fermenters 7519.
alcohol acetyltransferase, use assays, acetyl-CoA 5436.
alcohol derlydrogenase, bioassays, ble acids 4504.
alcohol derlydrogenase, inactivation, NAD analogs 4627.
alcohol derlydrogenase, zinc binding, polarography 6496.
alcohol derlydrogenase, 27cb binding, polarography 6496.
alcohol derlydrogenase, 37cb binding, polarography 6496.
alcohol derlydrogenase, 37cb binding, polarography 6496. alcoholic fermentation, Banksia integrifolia berries oils composition, effects on wine flavor 6639. alcoholic fermentation, Banksia integrifolia berries oils composition, effects on wine flavor 6639.

alcohols production, fermentation 7517.

animal wastes, hydrolysis, products, inhibition, growth 4305.

animal wastes, hydrolysis, products, inhibition, growth 4305.

animal wastes, hydrolysis, products, inhibition, growth 4305.

antibiotic sensitivity testing 2502.

alcoholic sensitivity testing 2502.

alcoholic sensitivity testing 2502.

and 2502.

antibiotic sensitivity testing 2502.

alcoholic sens cellobiace fermentation 4744.

cellobiace fermentation, ethanol production 9226.

cellulase decomposition, ethanol fermentation 3753.

cellulase decomposition, ethanol fermentation 3753.

cellulase metabolism, ethanol methane biosyrintesis 7510.

champagne fermentation, organoleptic properties, fermenters 7520.

cheese whey conversion, single-cell protein production 9286.

citric acid production, reviews 5470.

citrica acid production, reviews 5470.

clinical isolates, antifungal activity.

1-(4-chlorophenoxy)-33-d'idmethyl-2-(1,2,4-triazol-1-yl)methyl-2-butanol 4301.

clinical isolates, blood culture, sucrose effects on detection 9955.

companson, enzymes, efectrophoresis 7422.

compounds reduction 7281.

com+animal wastes sliage, fermentation, biochemical characteristics 4868. compounds reduction 7281.

com+animal wastes silage, fermentation, biochemical characteristics 4868.

counting methods, fluorescence, filtration, beer 2869.

counting methods, media (isolation), milk products 4530.

culture collections, storage, nitrogen (liquid) 8150.

culture, effects on alcoholic beverages food quality 1050.

cytosol, mitochondria, isolation methodology 8170.

Daucus carota roots phytoalexins antimicrobial activity 5057.

dental plaque isolates, growth, nutrient requirements, chemostats methodology

4497. 4497 differentiation media 2722. enolase, substrates binding, metals effects on, N.M.R. 6544. enzymes, detection, methodology 8168. enzymes, purification, characterization, books 7275. ethanoi biosynthesis, reactors 139. ethanol, bread, fermentation 2044. ethanol fermentation, computer applications 9228. ethanol fermentation, ethanol fermentation, starch metabolism 5570. ethanol fermentation, storphum bicolor 4735. ethanol, ferlianthus tuberdosus carbohydrates 2389. ethanol production activity 7527.

sensitivity, sorbic acid, benzoic acid, potassium sorbate, sodium benzoate 7093. separation techniques, fermentation media 9983. separation techniques, fermentation media 9984. single-cell protein, calcium, phosphorus, supplementation, feeding trials, chickens 9285. ethanol production, factors affecting 1046. extracts, effects on, Graphium penicillioides, biosynthesis, pectate lyase, pectin lyase 5515. Yeasts, (continued) Yeasts, (continued) extracts, effects on, Graphium penicillioides, biosynthesis, pectate ryeser, pectin lyase 5515.
extracts, inhibition tobacco mosaic virus infection, Nicotiana glutinosa, Nicotiana sanderae 6887.
latty-acid synthetase, interaction rats mammary gland thioesterase 8279. feeds additives, chickens 6682. leeds, protein composition, association, temperature 1087. fermentation, beer, genetic engineering 2859. fermentation, beer, reviews 3746. lementation, ethanol production, analysis methodology 7524. lementation, ethanol production, models, reviews 7522. fermentation, ethanol production, parameters 7523. lementation, ethanol production, parameters 7523. lementation, genetic engineering 3744. lementation, genetic engineering 3746. lementation, genetic engineering 7526. lementation induction, factors affecting 8400. lementation, phase variations, analysis, spectrometry 5433. lementation, phase variations, analysis, spectrometry 5433. lementation, phase variations, analysis, spectrometry 5433. lementation, phase variations, restricting analysis, particular appetition of the production single-cell protein, cell walls lysis, Streptomyces lytic enzymes 7583. single-cell protein, nutrient sources, dogs 3851. single-cell protein production 7602. single-cell protein, production, media (culture), Helianthus tuberosus, extracts 7606. soil, Antarctica 1475. soil, Antarctica 1475.
soil isolates, carbon sources, nitrogen sources, metabolism 5897.
soil microorganisms, cytolysis 581.
species composition, atmosphere composition effects on, blood culture 9012.
spoilage, meat, organoleptic properties 2038.
spoilage, meat, products, storage effects on taste panel evaluation 4771.
spoilage, milk products, polyethylene packaging, oxygen permeability 4884.
starch, lementation control 8412.
stimulants, Streptomycas levoris, effects on biosynthesis, biotin, levorin, stimulants, Streptomycos levons, effects on biosynthesis, biotin, levorin, coenzyme A 8021.
strains, selection, ethanol, production, fermentation, starch 3756.
stubomycin cytolytic activity 6059.
sugars production, biomass hydrolysis, enzymatic activity 5535.
sulfur dioxide effects on fermentation 1036.
thermophilic microorganisms, a-amylase biosynthesis 1913.
use, carcinogenicity testing, methodology 4465.
volume, association, sediments, suspensions, measuring techniques 9089.
yeasts 7567.
ellow fewer virus. fermentation induction, factors affecting 8400.
fermentation, measurements, beer 6636.
fermentation, phase variations, analysis, spectrometry 5433.
fermentation, phase variations, analysis, spectrometry 5433.
food contamination, bakery products, water effects on antimicrobial agents 240.
food contamination, futil juices, Venezuela 7574.
food contamination, loe cream 7567.
fructose-bjohosphates protein kinase phosphorylation, cyclic AMP, fructose-bjohosphates, protein kinase phosphorylation, cyclic AMP, fructose-bjohosphates stimulation, AMP inhibition 8283.
fruit rot, disease control. Inglicides, Ficus canca 1396.
β-D-galactosidase, biosynthesis, characterization 950.
β-D-galactosidase release, solubilization methodology 103.
genetic engineering, plasmids, methodology 5864.
glyceraidehyde-phosphate dehydrogenase, immobilized enzymes, subunits association, kinetics 4893.
glyceraidehyde-phosphate dehydrogenase, purification, characterization 4639.
growth, cold storage temperature effects on, butter 8465.
growth, contamination, ham, smoking, curing 180.
growth, contamination, ham, smoking, curing 180.
growth, cital biosynthesis, ethanol media 7468.
gualacol, veratrole metabolism intermediates, characterization 8439.
heat inactivation, fulti juices 2009.
hexokinase, triethylith bromide inactivation 9173.
hybridization, pure culture, wine production 149.
hexokinase, inethylith bromide inactivation 9173.
hybridization, pure culture, wine production 490.
hydrocarbons, gas chromatography, methodology 7271.
hydroxymethyligilutaryl-CoA reductase (NADPH), purification, characterization 8226.
immobilized eells, carbon dioxide inhibition ethanol production 7521.
immobilized eells, polymers adsorption, ethanol production 7521.
immobilized enzymes, exo-1,4-c-0-juicosidase, α-amylase, β-D-fructofuranosidase, coupling methodology 778.
immobilized enzymes, coupling methodology 778.
immobilized enzymes, coupling methodology 778.
immobilized enzymes, second dehydrogenase activity, bioreactors 7361.
immobilized enzymes, second deh yeasts 7507. Yellow fever virus, solation, identification, cell culture, Aedes aegypti 9835. Yellow mosaic virus, disease resistance, Vigna radiata 5806. Vallow apot.

Pyrenophora tritici-repentis, epidemiology, yield, Triticum aestivum 8547.

Triticum, effects on yield 4956. Yellowing, asma-like organisms, roots symptoms, Cocos nucifera, Jamaica 2228. Yellows,
Coos nuclera, association Spiroplasma pathogenicity 3968.
etiology, raspberry bushy dwarf virus, Rubus, disease resistance 464.
Fusanium oxysporum r.sp. api, Apium graveolene var.dules, factors affecting 5748.
Lycopersion esculentum, effects on, yield, lood quality 1311.
mycoplasma-like organisms, antigens, detection, enzyme-linked immunosorbent assay, immunoeiectron microscopy, Callistephus chinensis 8597.
mycoplasma-like organisms, disease transmission, vectors, Detocephalus flavicosta, Cocos 1210.
mycoplasma-like organisms, disease transmission, vectors, Detocephalus flavicosta, Cocos 1210.
mycoplasma-like organisms, seffects on stomata, Ulmus 3171.
Mycoplasma-like organisms, solation, Vitis vinifera 5024.
Mycoplasma-like organisms, solation, Vitis vinifera 5024.
Mycoplasma-like organisms, solation, Vitis vinifera 5024.
Mycoplasma-like organisms, septemical composition, Cocos nuclera 1226.
mycoplasma-like organisms, sap, chemical composition, Cocos nuclera 1226.
mycoplasma-like organisms, septemical composition, Cocos nuclera 1226.
mycoplasma-like organisms, vectors, Cicadellidae 9398.

Yersinia,
antibacterial activity, temocillin 5254.
cross-reactivity Brucella, enzyme-linked immunosorbent assay, brucellosis cross-reactivity Brucella, enzyme-linked immunosorbent assay, brucellosis diagnosis, man 8143. Yersinia enterocolitica, antibacterial activity, bicyclomycin 2595. antibiotic sensitivity testing, aminoglycoside antibiotics, β-lactam 2295.
ketone reduction, use, synthesis, synthons 4515.
lactic acid fermentation, vegetables 5607.
lactic acid fermentation, vegetables 5607.
lactic acid fermentation et yase, glutathione deruvatives inhibition 84.
lactory-glutathione lyase, substrate specificity, mechanisms 7368.
ligids biosynthesis, energletics 7487.
media (culture), wort 2714.
media (culture), wort 2714.
media (solation), Antarctica 3626.
media (solation), Antarctica 3626.
media (solation), acid 5428.
microflora, applies fruit juices 9279.
microflora, cheese 7585.
mitochondria, adenosinetriphosphatase stabilization proteins, amino acid sequence 8274. antibiotics 6089 antibiotic sensitivity testing, antibiotic resistance, streptomycin, sulfamethoxazole 2524. sulfamethoxazole 2524.
bile salts effects on recovery 672.
detection, enumeration, DNA hybridization methodology, food contamination 9049.
entertis, clinical isolates incidence, antibiotic resistance, man 8733.
enterotoxins, detection, assays, factors affecting 9307.
enterotoxins production, milk 1111.
enterotoxins production, bability, methanol solubility 7633.
enterotoxins, purification, characterization, conferences 9298.
enumeration, meat products 1083.
food contamination, packaging, beef 224.
gastrointestinal tract clinical isolates, norfloxacin antibacterial activity 2455.
identification, pathogenicity, food isolates 2048. mitochondria, adenosinetriphosphatase stabilization proteins, amino acid sequence 8274.

mitochondria, rRNA 215 genes, erythromycin resistance 1526.
morphology, kelir 5609.
mutants, insertion, nucleotides, methodology 1808.
mycelia dimorphism, assays methodology 9082.
mycelia dimorphism, assays mycelia proteins 9119.
mygelia dimorphism, assays mycelia proteins 9119.
mycelia dimorphism, antifurgal activity, bironazole, clotimazole 7938.
pentoses fermentation, ethanol production 9236.
pentoses fermentation, ethanol production 9286.
pentoses fermentation ethanol production 9286.
pentoses fer 2495. (identification, pathogenicity, food isolates 2048. incubation temperature effects on endotoxins biosynthesis 2950. isolation, drinking water, sewage sludge 8945. media (culture), identification 3604. media (enrichment) 3576. media (enrichment) 3606. media (enrichment) 3576.
media (enrichment) 3606.
media (enrichment), isolation, poultry 3566.
media (esolation), meat 2049.
mercury resistance, mercuric reductase, characterization 8727.
microbial pollution, surface water, sediments 2627.
pathogenicity, food contamination 174.
pht, tolerance, relationship, nutrient enrichment, isolation, methodology 8475.
survival, growth, pht effects on, yogurt 1080.
Yersinia kristensenii, identification, pathogenicity, food isolates 2048.
Yersinia kristensenii, identification, pathogenicity, food isolates 2048.
Yersinia patistensenii, identification, pathogenicity, food, isolates 2048.
Yersinia patistismenii, identification, pathogenicity, food, isolates 2048.
Yersinia patistismenii, methodologia phosphodiesterase, purification, characterization 971.
media (isolation), polymyxin-rehythomycin 1787.
media (isolation), especial phosphodiesterase, purification, characterization 971.
Media (isolation), polymyxin-rehythomycin 1787.
media (isolation), polymyxin-rehythomycin 1787.
media (isolation), especial phosphodiesterase, purification, characterization 971.
Media (isolation), polymyxin-rehythomycin 1787.
media (isolation), polymyxin-rehyth 6946.
processing, baking, storage, physicochemical properties 5621.
production, ethanol, Saccharum officinale, bagasse 5571.
production, Schwaninomyces castelli 2043.
protons release, detection, spectrophotometry 2710.
psychrotrophic microorganisms, analysis, milk products 6665.
pure culture, hybridization selection, wine fermentation, sulfur dioxide tolerance 147. tolerance 147.
pyridoxaminephosphate oxidase, amines activation, mechanisms 6553.
ribonuclease, immobilized enzymes 1907.
RNA degradation, ozone 1532.
RNA, isolation, ion-exchange chromatography 5480.
seasonal variation, rot, Opuntia stricta, food sources, Drosophila 3048.

Yersinia ruckeri, animal isolates, oxolinic acid antibacterial activity, in vitro 8766, bacterins, vaccines preparation, immunogenicity, Salmo gairdneri 8925.

bacterins, vaccines preparation, immunogenicity, Salmo gaironen 8925.

Yield,
Cacao, swollen shoot virus infection 391.
Carthamus tinctona, Alternaria carthami infection effects on 1250.
cheese, production, psychrotrophic bacteria effects on 4788.
ethanol, fermentation, evaporation 8399.
Fragaria, rot, Phytophithora cactorum, effects on 5755.
Fusarium oxysporum f. sp.cepae, Pyrenochaeta terrestis, effects on, Allium cepa, experimental infection 2191.
Glycine max, anthracnose, Colletotrichum truncatum, effects on 1137.
Glycine max, brown spot, Septoria glycines, effects on 5678.
Glycine max, Phizobium japonicum nitrogen fixation effects on 700.
Gramineae, Fusarium infection effects on 7675.
Lycopersicon esculentum, canker, pathogenesis, Corynebacterium michiganense

Lycopersicon esculentum, canker, pathogenesis, Corynebacterium michiganense subsp.michiganense 8579.

subsp. michiganense 8579.
Lycopersicon esculentum, tobacco mosaic virus infection 2167.
Lycopersicon esculentum, yellows effects on 1311.
Manihot esculenta, leaves infection, cassava common mosaic virus 407.
Manihot esculenta, reduction, cassava mosaic virus 1314.
measles virus, cell culture, factors affecting 1744.
Medicago sativa, reduction, alfalfa mosaic virus infection 2102.
mulches effects on, Verticillium will, Solarum melongena 476.
Oryza sativa, sheath blight, height effects on 3017.
pecans, Carya illinonensis, effects on Aspergillus parasiticus affatoxins accumulation 3871.
olants. Azotobacter chroococcum inoculation seeds effects on 7800.

accumulation 38/1.

plants, Azotobacter chroococcum inoculation seeds effects on 7800.

rations sturit, bacteria, effects on, Saccharum officinale 2139.

reduction, Trificum, leaves necrosis, Septoria tritici infection 3368.

root rot fungi infection Trificium effects on 2100.

Saccharum, comparison, smut grades 6859.

Solanum tuberosum, ring rot+potato virus S, potato virus X, infection, effects on 2014.

Solanum tuberosum, ring rot+-potato virus X, potato virus X, intection, emecus on 1230.

Trifolium repens, +endomycorrhizas 2330.

Trifolium repens, nitrogen fixation, nitrogen fertilizers effects on 2364.

Triticum aestivum, fungi root rot, factors effecting 1179.

Triticum aestivum, relationship, Azospirillum inoculation 5944.

Triticum aestivum, relationship, Azospirillum inoculation 5942.

Triticum aestivum, stripe rust, Puccinia striiformis 1165.

Triticum, aestivum, stripe rust, Puccinia striiformis 1165.

Triticum, solis (loam), fertilizers (slow release) effects on 621.

Triticum, yellow spot effects on 4955.

tropical environment, soil microorganisms, effects on, plants, books 8181.

turnip mosaic virus, arabis mosaic virus, effects on, Pheum rhaponticum 2198.

Vicia faba, Rhizobium leguminosarum effects on 6982.

Vigna unguiculata, cowpea mosaic virus infection effects on 337.

Zea mays, Fusarium moniliforme, seed-borne diseases, effects on 1180.

Zea mays, relationship, Azospirillum inoculation 5943.

Zea mays, selationship, Azospirillum inoculation 5943.

Zea mays, selationship, Azospirillum brasilense, Azotobacter chroococcum 1500.

3-Vildense-2,4-pentanedione, denvisitives, strivitus hulgaricus+Streptoococcus thermophilus, mixed culture, termanetation. Lactobacillus hulgaricus+Streptoococcus thermophilus, mixed culture, termanetation.

Voghurt,
fermentation, Lactobacillus bulgaricus+Streptococcus thermophilus, mixed culture,
effects on sugars 3829,
starter cultures, relationship, milk, Streptococcus thermophilus, Lactobacillus
bulgaricus 3848.

ogurt,
gas production, fungi identification 4840.
production, bacteria fermentation effects on proteins 4805.
production, sheep, milk, antibiotics excretion effects on 4871.
production, skim milk, lactose hydrolysis, use β-D-galactosidase, fungi 7569.
Salmonella typhimurium, lactic acid effects on growth 4811.
starter cultures, antimicrobial activity, vitamins, -b-D-galactosidase activity
7591.

Streptococcus thermophilus, growth stimulation factors 7600, whey proteins effects on, Streptococcus thermophilus, Lactobacillus helveticus 4813.

Yersinia enterocolitica, survival, growth, pH effects on 1080.

Yugoslavia, rivers contamination, Escherichia coli, coliforms, phages 2620.

Nocardia like Mycobacterium isolation, soil 3193.

Susceptibility, viruses 4947.

Zea diploperennia,
susceptibility, downy mildew, Peronosclerospora sorghi 5700.

Zea mays,
aflatoxin B1 contamination, drought, Spodoptera frugiperda pest outbreaks,
effects on 4887. antatoxin B1 contamination, drought, Spodoptera frugiperda pest outbreaks, effects on 4887.

fatatoxins levels, disease resistance 5653.

Aspergillus parasiticus aflatoxins inhibition, insecticides role 8557. breeding effects on aflatoxins contamination 3880.

Callose formation, response, phytophthora cinnamomi infection 3020. chocolate spot, Pseudomonas syrinigae pv.coronafaciens 1199.

Cochilobolus carbonum infection, virulence 375.

Cochilobolus carbonum infection, virul

Zea mays, (continued)
cryolinjury, Erwinia herbicola, inhibition, Pseudomonas syringae, ice nuclei
activation, biological control 8642.
decline, etiology, rhizosphere microorganisms, phytotoxins, pesticides 367.
detection, affatoxins, Aspergillus flavus, Aspergillus parasiticus,
characterization 8509.

disease resistance, Diplodia maydis, stalk rot, Ostrinia nubilalis infestation

effects on 361.
disease resistance, Helminthosporium maydis, mitochondria proteins
electrophoresis 8616.
disease resistance, infection, Bipolaris maydis, Colletotrichum graminicola,
comparison 4069.
disease resistance, maize dwarf mosaic virus infection, inheritance 6841.
downy mildew, Peronosclerospora, Sclerospora graminicola, epidemiology, reviews
1186.

downy mildew resistance, Peronosclerospora sorghi, germplasm, population genetics 8626.

8626
downy mildew, Sclerospora sorghi infection, Somalia 381,
downy mildew, Sclerospora sorghi, population ecology, limiting factors 5698.
Erwinia chrysanthemi pathogenicity, biotyping 4927.
Exserohium furcicum lead blight, factors affecting 5717.
factors affecting leaf blight epidemiology 6772.
tertilizers, stimulation incidence, smut Ustiliago maydis 9324.
fungl infection, plant protection, coatings, waxes, plastics 4071.
fungl infection, propionic acid effects on growth 6746.
Fusarium solani association, decoxivatelinoi detection, gas chromatography 7615.
gemplasm, leaf blight incidence 2131.
Gibberella zeae pathogenicity, biological properties 1167.
Gloruus mosseae symbiosis, nitrate soil amendment, foliar applications, effects on 4204.

4204.

growth, yield, relationship, Azospirillum inoculation 5943.

Helminthosporium maydis pathogenicity, genetic analysis 3005.

Hit gene, disease resistance, virulence, leaf blight, Exserohilum turcicum 1370.

Hit gene, disease resistance, leaf blight, Exserohilum turcicum 5710.

Leaf blight, Drachslera maydis, Cochilobolus heterostrophus, Tanzania 7673.

Leaf blight, Drachslera turcica, medicinal plants extracts antifungal activity

7756.

7756. leaf blight, Exserohilum turcicum, pathogenesis, USA, Ohio 7668. leaf blight, Exserohilum turcicum, races virulence, USA 9363. leafspot, Cercospora zeae-maydis, pathology 9337. leafspot, Cercospora zeae-maydis, relative humidity, dew. effects on, pathogenesis 2135. leafspot, adhogenesis 2135. leafspot, pathogenesis, Cercospora zeae-maydis, sporulation 3957. leaves, application, Colletotrichum graminicola, Helminthosporium maydis, spores, methodology, humidity 9081. maize chlorotic dwarf virus stunt, Graminella nigrifrons vectors, sex differences 5697.

5697.
maize chlorotic mottle virus infection, disease control 1191.
maize chlorotic mottle virus, seed-borne diseases 4949.
maize dwarf mosaic virus, disease control, oil, vectors, Rhopalosiphum maidis, Schizaphis graminum 6843.
maize dwarf mosaic virus infection, disease resistance, Hungary 7745.
maize dwarf mosaic virus infection, effects on susceptibility, Helminthosporium maydis infection 388.

maize mosaic virus infection 2119.
maize rayado fino disease virus isolates, purification, biological properties

maize rough dwarf virus infection, symptoms 8561.
maize streak virus infection, disease control methodology 461.
maize white line mosaic virus mosaic disease asymptomatic infection, incidence

4969

mixed infection, interaction maize dwarf mosaic virus Helminthosporium maydis 3007.

3007.

mycorrhizas, competition, interspecific relationships, Giomus 5894.
nitrogen fixation, Azotobacter chroococcum, seeds inoculation 4233.
nitrogen fixation, roots, stems 8699.
nitrogen nutrition, role, Azospirillum brasilense biomass 7011.
https://doi.org/10.1006/j.com/10.1006

occurrence, aflatoxins, Aspergillus flavus, USA, Louisiana 7626. pathogenicity, Stenocarpella macrospora, comparison, Stenocarpella maydis, USA

6780 Peronosclerospora sorghi infection, pathogenesis association disease resistance

Peronosclerospora sorghi oospores formation, India 3018

Peronoscierospora sorghi oospores formation, India 3018.
Physopella zeae infection pathogenesis, morphology 2130.
Physopella zeae pathogenesis, morphology 2130.
Physopella zeae pathogenesis, morphology 2130.
Physopella zeae pathogenesis, morphogenesis 383.
plant breeding, disease resistance, Maize dwarf mosaic virus 8604.
plant breeding, disease resistance, wilt, Erwinia stewartii 1346.
plant breeding, maize dwarf mosaic virus steasear ersistance genes, levels,
genetic analysis 4092.
pollen, enhancement, Colletotrichum lindemuthianum infection, inhibition, cowpea
mosaic virus infection, Vigna unguiculata 327.
Pseudomonas syringae pv. syringae, syringomycin, syringotoxin, effects on,
mitochondria 2966.
Puccipia polysora rust, incidence, relationship, weather, USA. Indiana 6765.

Puccinia polysora rust, incidence, relationship, weather, USA, Indiana 6765. rhabdovirus infection 2118.

nanoovrus intection 2118. hizoplane, Azotobacter chroococcum growth 3195. hizosphere microorganisms effects on minerals uptake 4190, roots, cells, use, Helminthosporium maydis, phytotoxins, bioassays 8552. roots, inoculum, Pseudomonas, association, Rhizobium, methodology 3548. roots, nutrient uptake, role, Azospirillum brasilense 6988. roots, plant diseases, Rhizoctonia zeae, Rhizoctonia solani, interaction,

roots, plant diseases, rinizocionia zeae, rinizocionia solarii, interactioni, herbicides 5706.
rust, pathogenesis 1168.
seedlings, disease resistance, blight, ear rot 1361.
seedlings, etiolation, host-parasite interactions, susceptibility,
Helminthosporium maydis, Helminthosporium carbonum 3015.
seedlings, Peronosclerospora sorghi, oospores, infection, inoculum, methodology 8551

seeds germination, Azotobacter chroococcum stimulation 3194. seeds germination, bacteria, fungi 6941. +Sorghum crop rotation, effects on maize chlorotic mottle virus incidence 2116. Sorghum halepense, maize dwarf mosaic virus transmission 4971.

Zygospores, Mortierella indohii, formation, observation methods 3627. Zea mays, (continued) ea mays, (continued)
spiroplasma stunt, enzyme-linked immunosorbent assay detection 3011
stalk rot, Erwinia chrysanthemi, symptoms, pathogenicity 2140,
stalk rot, fertilizer applications effects on 1197,
stalk rot, Fusarium moniliforme, predisposing factors 6754. Zymolase, Zymomonas. stalk rot, Gibberella zeae, Fusarium graminearum, relationship Ostrinia nubilalis, pests infestation 9349. nubliais, pests infestation 9349.
stalk rot, top rot, Brazil, Erwinia chrysanthemi pv.zeae 2141.
susceptibility, Helminthosporium maydis infection, maize dwarf mosaic virus infection effects on 1185.
symbiosis, introgen-fixing bacteria, screening 7008.
symbioms, downy mildew, Peronosclerospora sorghi 2122.
tillage, disease control, brown spot, Physoderma maydis 7736.
urea foliar applications, effects on rhizosphere microorganisms 5932.
viruses infection, transmission, symptoms, control 5723.
water stress effects on Aspergillus flavus infection 5664, yield, Azosphillum inoculation, straw soil amendment, nitrogen fixation, rhizosphere 9599.
yield, Fusarjum moniliforme, seed-borne diseases, effects on 1180.
yield reduction, eye spot, Kabatelial zeae 4964, yield, prosphere, nitrogen fixation, Azospirillum brasilense, Azotobacter chrococccum 1500. chroococcum 1500.

Zearalenone, binding dehydrogenase active sites, Saccharomyces cerevisiae 7625.
biosynthesis, Fusarium culmorum, relationship Gramineae pathogenesis 8510.
biosynthesis, Fusarium graminearum, grains substrates 8511.
contamination, assays, corn, feeds 5644.
grain dust, grain elevators 7619.
production, Fusarium, characterization 2073.
radioimmunoassay 2066. Zelkova serrata. Ceratocystis ulmi, pathogenicity 5871 Zeolite, effects on Cephalosporium caerulens cerulenin biosynthesis 1646.

Zepharanthes rosea,
Pseudocercospora indica sp.nov isolation, new records, India 3989. Inc,
+acid rain, pollution effects, viability, soil microorganisms 9509.
bacteria uptake, wastewater treatment 5313.
binding alcohol dehydrogenase, polarography, yeasts 6496.
content, proteinase, Bacillus mesentericus 5522.
content, rhizosphere microorganisms, rhizoplane microorganisms, soil, USSR 2334.
4238.
4238.
46665. np. poschate, filosofic Zinc, 4230.2 effects on phosphate-dissolving bacteria inoculation, yield, Vicia faba 5892. effects on, licarcillin± tobramycin, antibacterial activity, Pseudomonas aeruginosa 754. mouthwashes, retrition, dental plaque inhibition, man 8998. mouthwashes, retrition, dental plaque inhibition, man 8998. Tole methionyl-IRNA synthetase aminoacylation activity, Escherichia coli 953. ne coposil, Brassica campestris, effects on leaf surface fungal flora 3146. Brassica campesurs, more parameters of the control Zinnia algustifolia,

× Zinnia elegans, interspecific hybridization, plant breeding, disease resistance, powdery mildew 7729. Zinnia elegans,

× Zinnia angustifolia, interspecific hybridization, plant breeding, disease resistance, powdery mildew 7729. Zinnioi, Zinnio, Alternaria tagetica, production, Tagetes erecta phytotoxicity 9392.
Zizania aquatica,
bacteria leaf blight, etiology 5702.
brown spot, Drechslera oryzae, Drechslera sorokiniana, fungicides, treatment eye spot, etiology, Drechslera gigantea 1170.
Pseudomonas syringae pv.syringae brown spot, Zizania aquatica 9350.
Zizania latifolia, smut, Ustilago esculenta 373.

Zizyphus mauritania,
pathology, leafspot, Cristulariella moricola 8596

Zizyphus rotundifolia,
leaves, infection, Passalora 7790. Zonecerus varigatus, vectors, spores, Botryodiplodia theobroma, yams, post-harvest decay 442. Vectors, spores, consystematics and productive and Zoonoses, salmonellosis, cattle, abattoirs, surveys 234. Zoophthora radicans, biological control, conidia, spores, survival, environmental conditions, Insecta 1009. pathogens, biological control, Therioaphis trifolli maculata 1033.
Zoosporsa,
Lagenidium gigantum, production, liquid culture 1816.
Lagenidium gigantum, production, media 8162.
Phytophthora megasperma f.sp. glycinea, pathogenesis, roots, Glycine max 4935.
Plasmodiophora brassicae, role clubrorb, Brassica campestris 4998.
Pythium, contamination, association, Phytophthora megasperma f.sp. glycinea, isolation methodology 589.
release, Phytophthora cinnamoni, soil pH effects on 3994.
Scderospora graminicola, viability, infectivity, soil 6954.
soils (podzolic), effects on, Phytophthora cinnamomi, pathogenesis, dieback, Banksia grandis 5850.
Zoetera marina,
nitrogen fixation, ribzosphere sediments, sulfate-reducing bacteria 2356.
nitrogen fixation, roots, rhizomes 8698.
Zygomycetes, pathogens, biological control, Therioaphis trifolli maculata 1033.

media (isolation), beer 1992. Zymomonas mobilis, Annotes a mobiles, allowing beer 1992.

The common mobiles and production feathers are sensitively allowing the sensitive sens utilization 5567

purification, Arthrobacter luteus 935.



cambridge scientific abstracts

ABSTRACTS JOURNALS | ONLINE | MAGNETIC TAPE

JOURNALS

Animal Behavior Abstracts

Aquatic Sciences & Fisheries Abstracts:

- Part 1 Biological sciences & living resources
- Part 2 Ocean technology, policy & non-living resources

Biochemistry Abstracts:

- Part 1 Biological Membranes
- Part 2 Nucleic Acids
- Part 3 Amino-acids, Peptides & **Proteins**

Calcified Tissue Abstracts

Chemoreception Abstracts

Computer & Information Systems

Abstracts Journal

Conference Papers Index

Ecology Abstracts

Electronics & Communications

Abstracts Journal

Entomology Abstracts

Genetics Abstracts

Immunology Abstracts

ISMEC (Information Service in

Mechanical Engineering) Bulletins

Microbiology Abstracts

Part A - Industrial & Applied

Part B - Bacteriology

Part C - Algology, Mycology & Protozoology

Neurosciences Abstracts

Oceanic Abstracts

Pollution Abstracts

Safety Science Abstracts Journal

Science Research Abstracts Journal

Solid State Abstracts Journal

Toxicology Abstracts

Virology Abstracts

BACK VOLUMES

Back volumes are available for all CSA journals more than one year old, in either printed or microfiche form.

MAGNETIC TAPE

The CSA journals are available on magnetic tape in machine-readable form for current awareness and retrospective batch searching. Contact CSA Marketing Department for specifications and prices at 301-951-1403.

ONLINE

Some of the above journals are available on differing online information systems including:

- DIALOG® Information Retrieval Service
- ☐Bibliographic Retrieval Service
- ☐ Information Retrieval Service (European Space Agency)
- System Development Corporation Search Service.

For further details contact CSA Database Services, toll free at 800-638-8076. In Maryland and outside continental U.S., call 301-951-1300.